


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING				FORM 3 AMENDED REPORT <input type="checkbox"/>		
APPLICATION FOR PERMIT TO DRILL				1. WELL NAME and NUMBER TOHONADLA 1-E		
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				3. FIELD OR WILDCAT TOHONADLA		
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO				5. UNIT or COMMUNITIZATION AGREEMENT NAME		
6. NAME OF OPERATOR NAVAJO NATION OIL & GAS CO				7. OPERATOR PHONE 303 534-8300		
8. ADDRESS OF OPERATOR P.O. Box 4439, Window Rock, AZ, 86515				9. OPERATOR E-MAIL LGerminario@nnogc.com		
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 1420603270		11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		
13. NAME OF SURFACE OWNER (if box 12 = 'fee')				14. SURFACE OWNER PHONE (if box 12 = 'fee')		
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')				16. SURFACE OWNER E-MAIL (if box 12 = 'fee')		
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') NAVAJO NATION		18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	2081 FNL 417 FWL	SWNW	1	42.0 S	21.0 E	S
Top of Uppermost Producing Zone	2081 FNL 417 FWL	SWNW	1	42.0 S	21.0 E	S
At Total Depth	2081 FNL 417 FWL	SWNW	1	42.0 S	21.0 E	S
21. COUNTY SAN JUAN		22. DISTANCE TO NEAREST LEASE LINE (Feet) 559		23. NUMBER OF ACRES IN DRILLING UNIT 40		
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1113		26. PROPOSED DEPTH MD: 6850 TVD: 6850		
27. ELEVATION - GROUND LEVEL 4683		28. BOND NUMBER BIA RLB0006712		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 09-135		
ATTACHMENTS						
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES						
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER			<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN			
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)			<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER			
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)			<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP			
NAME Al Zier		TITLE Operations/Production Manager			PHONE 303 534-8300	
SIGNATURE		DATE 08/26/2010			EMAIL azier@nnogc.com	
API NUMBER ASSIGNED 43037500060000		APPROVAL  Permit Manager				

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Cond	20	16	0	60		
Pipe	Grade	Length	Weight			
	Grade K-55 ST&C	1385	24.0			
	Grade J-55 LT&C	6835	17.0			

Navajo Nation Oil & Gas Co., Inc.
 Tohonadla 1-E
 2081' FNL & 417' FWL
 Sec. 1, T. 42 S., R. 21 E.
 San Juan County, Utah

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Drilling Program

1. FORMATION TOPS

The estimated tops of important geologic markers are:

<u>Formation</u>	<u>GL Depth</u>	<u>KB Depth</u>	<u>Elevation</u>
Carmel Sandstone	0'	15'	+4,683'
Navajo Sandstone	193'	208'	+4,490'
Kayenta Sandstone	553'	568'	+4,130'
Wingate Sandstone	603'	618'	+4,080'
Chinle Shale	1,083'	1,098'	+3,600'
Shinarump Sandstone	1,673'	1,688'	+3,010'
Moenkopi Sand & Mud Stones	1,908'	1,9723'	+2,775'
DeChelly Ss/Mdst/Shale	2,098'	2,113'	+2,585'
Organ Rock Shale/Sltst/Ss	2,293'	2,308'	+2,390'
Lower Cutler Sltst/Ss/Shale	3,018'	3,033'	+1,665'
Honaker Trail Ls/Sltst/Shale	4,073'	4,088'	+610'
Paradox Ls/Sltst/Marls/Shale	4,613'	4,628'	+70'
Ismay Ls/Dolo/Marls/Shale	4,917'	4,932'	-234'
Lower Ismay Ls/Dolo/Marls/Shale	4,993'	5,008'	-310'
Desert Creek Ls/Dolo/Marls/Shale	5,078'	5,093'	-395'
Akah Member	5,275'	5,290'	-592'
Barker Creek Ls/Dolo/Anhy/Shale	5,452'	5,467'	-769'
Pinkerton Trail Ls/Dolo/Anhy/Shale	5,635'	5,650'	-952'
Molas Mudst/Slt/Ls/Shale	5,863'	5,878'	-1,180'
Leadville Limestone/Dolomite	6,038'	6,053'	-1,355'
Total Depth (TD)	6,850'	6,865'	-2,167'

2. NOTABLE ZONES

Desert Creek and Ismay oil production is the primary goal. Upper Leadville oil

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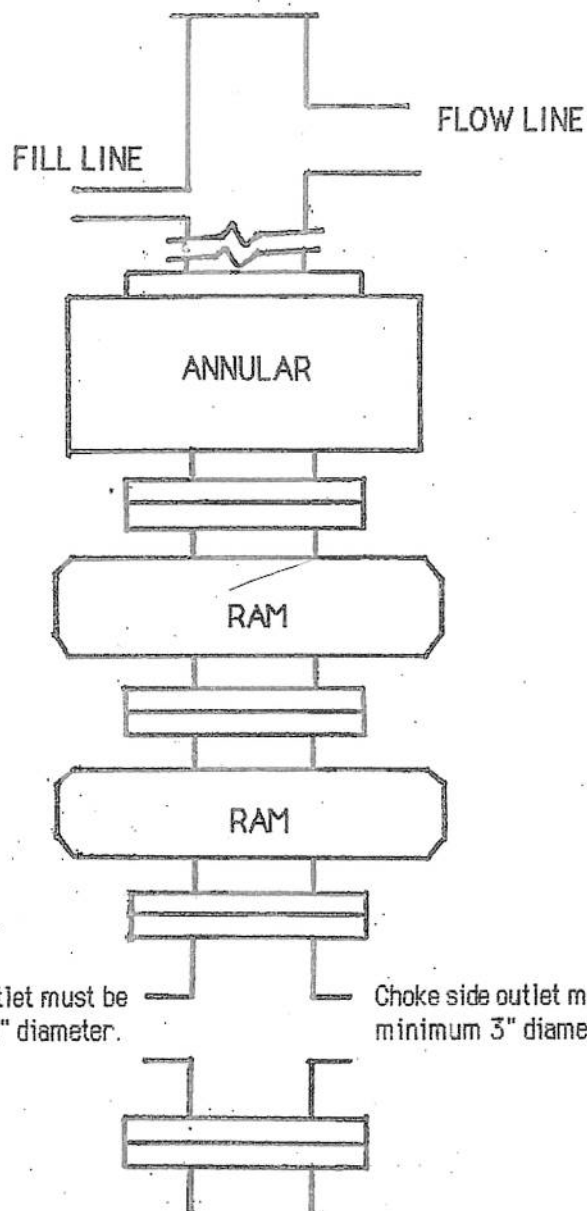
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production is the secondary goal. Oil and gas shows which appear to the well geologist to be commercial will be tested. All fresh water and prospectively valuable minerals will be recorded by depth and protected with casing and cement. Likely fresh water zones are the Glen Canyon group of sandstones.

3. PRESSURE CONTROL

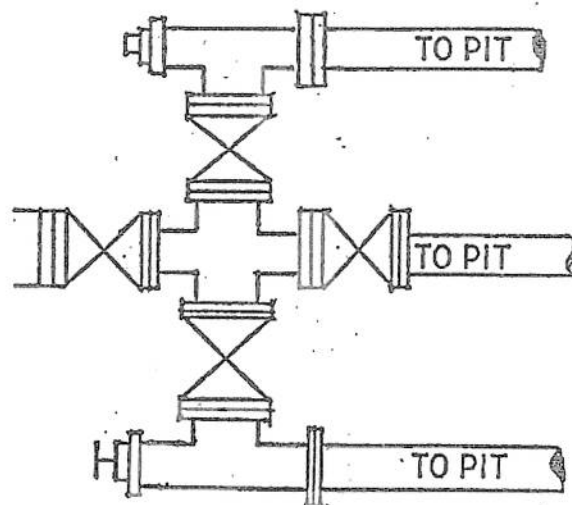
A 13-5/8" 3,000 psi double ram and annular preventer with a 3,000 psi choke manifold will be used. A diagram of a typical BOP is on Page 3. Actual model will not be known until bid is let. Procedures are ...

- Nipple up BOP and all equipment
 - Test to 250 #/3,000#
 - Test Hydril to 2,000 psi
 - Log in I. A. D. C. book
- Drill 1/2 of shoe joint
 - Test to 1,500 psi for 30 minutes
 - Log in I. A. D. C. book
- Activate BOPs every 24 hours or on trips and log in I. A. D. C. book
- Install hand wheels and lay straight flare line before drilling out
- Conduct weekly BOP drills with each crew and log in I. A. D. C. book
- Have floor valve and wrench on floor at all times
 - Floor valve must be in open position
- Before drilling surface casing shoes, blind rams will be closed. BOP and surface casing will be pressure tested to 1,500 psi for a total test time of 30 minutes if not previously tested by Halliburton during cement job.
- Studs on all well head and BOP flanges will be checked for tightness weekly
- Hand wheels for locking screws will be installed and operational
- Entire BOP and well head assembly will be kept clean of mud
- A drill stem safety valve in the open position will be available
- Call BLM at (505 599-8900) and the Utah Division of Oil, Gas, & Mining at (801 538-5340) before testing BOPs



TYPICAL BOP STACK
& CHOKE MANIFOLD

There will be at least 2 chokes and 2 choke line valves (3" minimum). The choke line will be 3" in diameter. There will be a pressure gauge on the choke manifold.



Kill line will be minimum 2" diameter and have 2 valves, one of which shall be a minimum 2" check valve.

Upper kelly cock will have handle available.
Safety valve and subs will fit all drill string connections in use.
All BOPE connections subjected to well pressure will be flanged, welded, or clamped.

Tohonadla 1-E

2081' FNL & 417' FWL

Sec. 1, T. 42 S., R. 21 E.

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4. CASING & CEMENT

<u>Hole Size</u>	<u>O. D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Age</u>	<u>Coupling</u>	<u>Burst/Collapse</u>	<u>Depth Set</u>
20"	16"		Conductor	New			60'
12-1/4"	8-5/8"	24#	J or K-55	New	S T & C	2,950/1,370	1,400'
7-7/8"	5-1/2"	17#	J or K-55	New	L T & C	5,320/4,910	6,850'

Conductor pipe will be cemented to the surface with ready-mix.

Surface casing will be set at least 200' into the Chinle and cemented to the surface with $\approx 50\%$ excess. Lead with ≈ 325 sacks (≈ 633 cubic feet) Halliburton light with 5 pounds per sack gilsonite + 1/4 pound per sack cellophane mixed at 12.4 pounds per gallon and 1.95 cubic feet per sack. Tail with ≈ 200 sacks (≈ 238 cubic feet) standard cement + 1% CaCl_2 + 1/4 pound per sack cellophane mixed at 15.6 pounds per gallon and 1.19 cubic feet per sack. Centralizers will be placed $\approx 5'$ off the bottom and on the first three joints and the fifth joint.

Production casing will be cemented with $\approx 40\%$ excess to $\approx 1,200'$ (i. e., $\geq 200'$ above surface casing shoe). Lead with ≈ 510 sacks (≈ 994 cubic feet) Halliburton light with 5 pounds per sack gilsonite + 1/4 pound per sack cellophane mixed at 12.4 pounds per gallon and 1.95 cubic feet per sack. Tail with ≈ 335 sacks (≈ 422 cubic feet) premium with 5 pounds per sack gilsonite + 0.6% Halad 9 + 0.25 CFR-3 mixed at 15.2 pounds per gallon and 1.26 cubic feet per sack. Centralizers will be set on the shoe joint, top of the second and third joints, and continue through and above pay zones at $\approx 90'$ intervals.

5. MUD PROGRAM

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>	<u>Type</u>
0 - 1,400'	8.3 - 8.7	27 - 32	N/C	Fresh H ₂ O gel lime spud mud, pH 9
1,400' - TD	8.4 - 10.0	38 - 40	8 cc	Fresh water gel & PHPA, SAPP, etc

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Cuttings will be collected every $\approx 30'$ from the surface to $\approx 5,500'$. Cuttings will be collected every $\approx 10'$ from $\approx 5,500'$ to TD.

6. CORES, LOGS, & TESTS

Cores may be cut depending upon shows, most likely in the Desert Creek. GR - Sonic and DLL-Micro-SFL log suites will be run from TD to the surface. FDC-CNL logs will be run from TD to $\approx 4,000'$. No drill stem tests are currently planned.

A geologist or mud logger will be on site from $\approx 4,000'$ to TD.

7. DOWN HOLE CONDITIONS

No abnormal temperatures or abnormal pressures are expected. Maximum expected bottom hole pressure will be $\approx 2,945$ psi. Hydrogen sulfide is expected in the Mississippian, just below the Pinkerton. A contingency plan is attached.

8. OTHER INFORMATION

The anticipated spud date is April 1, 2008. It is expected it will take ≈ 3 weeks to drill and ≈ 2 weeks to complete the well.

Navajo Nation Oil & Gas Co., Inc. is requesting an exception due to geology. The location is based on seismic. The well is staked at 2081' FNL & 417' FWL 1-42s-21e on 320 acre Tribal lease 14-20-603-270. Thus, it is 43' too far west.

Navajo Nation Oil & Gas Co., Inc. is requesting permission to drill at 2081' FNL

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& 417' FWL 1-42s-21e. This is the only well, existing or planned, in the quarter-quarter. The closest (1,133') existing or planned well is the Navajo Nation Oil & Gas Co., Inc. proposed Tohonadla 1-E at 1119 FNL & 1017 FWL 1-42s-21e.

Closest lease line is 559' south. Navajo Nation Oil & Gas Co., Inc. or ST Oil Company are the owners of all drilling units within a minimum 559' radius of the proposed exception. ST Oil Company is a partner in the Tohonadla 1-E. Five of the 8 offset quarter-quarters are part of the same lease. The three remaining offset quarter-quarters are unleased Tribal lands. The quarter-quarter (SENE Sec. 2) toward which the well encroaches is part of the same lease.

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Surface Use Plan

1. DIRECTIONS (See PAGES 12 - 15)

From the junction of US 163 and US 191 west of Bluff
Go South 8-1/4 miles on US 191 to the equivalent of mile post 13.1
Then turn left and go Northeast 0.7 miles on a sandy road to the 23 #1 well
Then bear right and go East 190.81' cross country to a surface pipeline
Then turn right and go Southeast 1,349.95' along the steel surface pipeline
Then bear right and go South 228.64' cross country to the proposed pad

Roads will be maintained to at least equal to their present condition.

2. ROAD WORK (See PAGES 14 & 15)

No upgrade is needed for the existing road. The 1,769.40' of new road will be built to BLM Gold Book standards. (The first 1,188.94' (= 190.81' + 998.13') may be built first if the Tohonadla 1-D is drilled first.) Road will have a $\approx 14'$ wide running surface and will be rocked where needed. No culvert, vehicle turn out, or cattle guard is needed. Maximum disturbed width will be 20'. Maximum cut or fill = 3'. Maximum grade = 4%.

3. EXISTING WELLS (See PAGE 13)

One water, two oil, and five plugged wells are within a mile radius. There are no gas or injection wells within a mile radius.

4. PROPOSED PRODUCTION FACILITIES (See PAGES 14 & 15)

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A well head and gas powered pump will be installed on the pad. Both will be painted a flat Carlsbad tan. A 1,769.40' long $\approx 4"$ O. D. steel pipeline will be laid along the road from the well to the proposed Tohonadla 35-P pipeline. The pipeline will be buried $\approx 36"$ deep.

5. WATER SUPPLY

Water will be trucked from Monument Resources' well on private land in 30-40s-22e near Bluff. Water right number is 09-135.

6. CONSTRUCTION METHODS & MATERIALS (See PAGES 16 & 17)

The top 6" of soil and brush will be stripped and stockpiled east of the pad. The pit subsoil will be piled east of the pit and separate from the topsoil. A diversion ditch will be cut south of the pad and east of the piles. A minimum 12 mil plastic liner will be installed in the reserve pit. The reserve pit will be fenced sheep tight on 3 sides with woven wire fence topped with barbed wire. The fourth side will be fenced once the rig moves off. The fence will be kept in good repair while the pit dries. Once dry, contents of the reserve pit will be buried in place.

Rock will be bought and trucked from private land near Bluff.

7. WASTE DISPOSAL

All trash will be placed in a portable trash cage and hauled to the county landfill. Human waste will be disposed of in chemical toilets. Toilet contents will be hauled to a state approved dump station off the reservation.

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8. ANCILLARY FACILITIES

There will be no air strip or camp. Camper trailers will be parked on the pad for the company man, tool pusher, and mud logger.

9. WELL SITE LAYOUT

See PAGES 16 and 17 for drawings of the well pad, cross section, cut and fill diagram, reserve pit, trash cage, access onto the location, parking, living facilities, and rig orientation.

10. RECLAMATION

Reclamation starts once the reserve pit is dry, at which point it will be back filled. Liner top will be folded over contents and covered with $\geq 24"$ of dirt. The reserve pit and any pad areas not needed for producing the well will be reclaimed as an interim measure. Once the well is plugged, the remainder of the pad and road will be reclaimed.

All reclamation will leave the terrain with a natural shape, slopes will be no steeper than 3 to 1, subsoil will be used to fill the reserve pit, all compacted areas will be ripped $\geq 12"$ deep with the contour, topsoil will be spread across all compacted areas and harrowed with the contour. A seed mix will be drilled as prescribed by BLM, BIA, or the Navajo Nation. Weeds will be controlled in accordance with BLM, BIA, or Tribal requirements.

11. SURFACE OWNER

All construction will be on Navajo Tribal surface. Tribal Project Review Office phone is (928) 871-6447. Address is P O Box 2249, Window Rock, AZ 86515.

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Tohonadla 1-E
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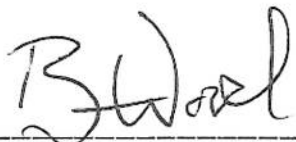
12. OTHER INFORMATION

The nearest hospital is a $\approx 1\text{-}1/4$ hour drive away in Monticello. It is 3 blocks northwest of the intersection of US 491 and US 163/191. Hospital phone number is (435) 587-2116. Or dial 1-800-332-1911 from anywhere in the county. Give the operator the latitude and longitude (see section plat (which is the second page of the APD)) of the well.

Chuck Yarbrough (BIA) and Charles Black (Permits West) conducted an on site inspection on June 13.

13. REPRESENTATION & CERTIFICATION

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U. S. C. 1001 for the filing of false statements. Executed this 25th day of January, 2008.



Brian Wood, Consultant
Permits West, Inc.
37 Verano Loop, Santa Fe, NM 87508
(505) 466-8120

FAX: (505) 466-9682

Mobile: (505) 699-2276


PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS

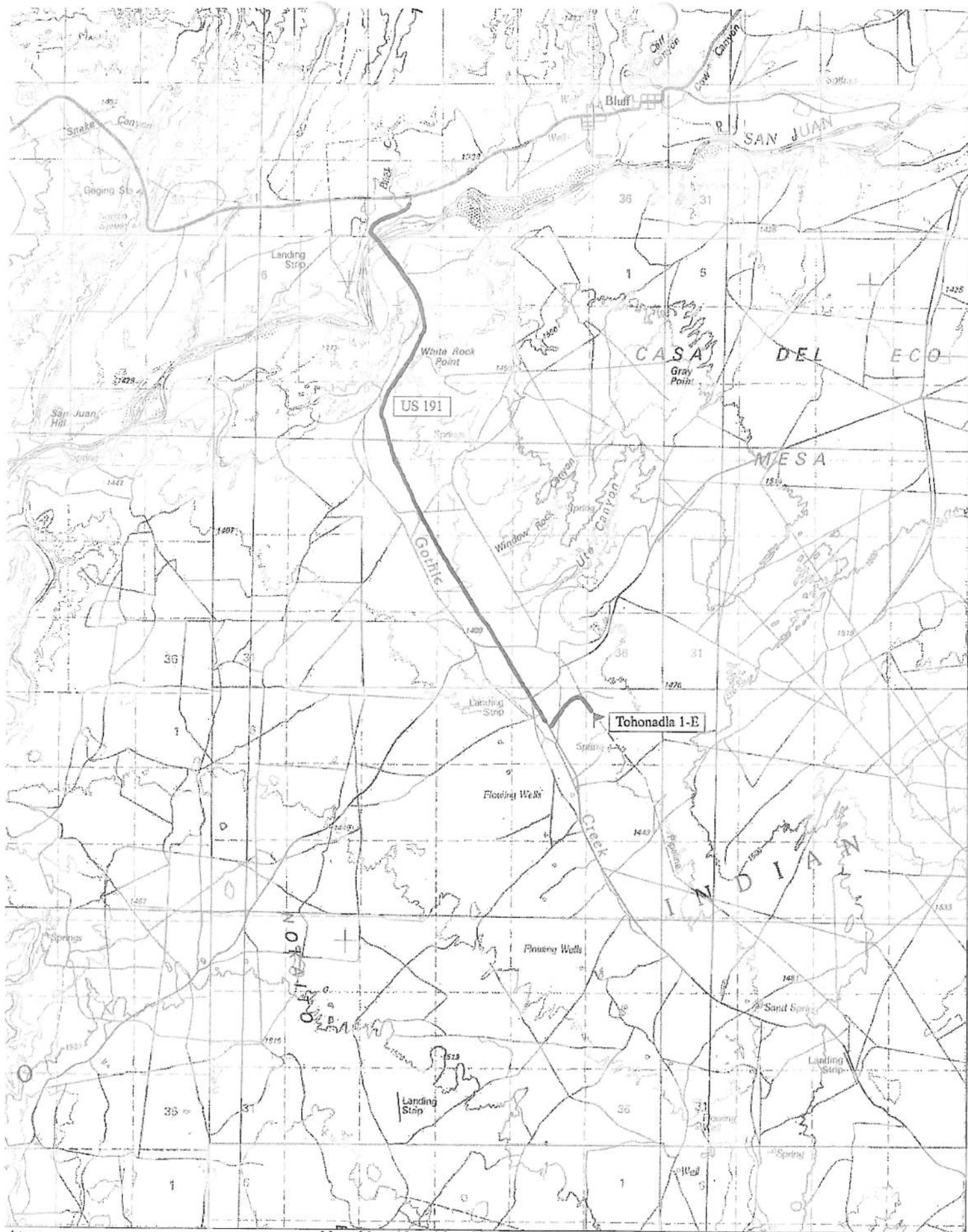
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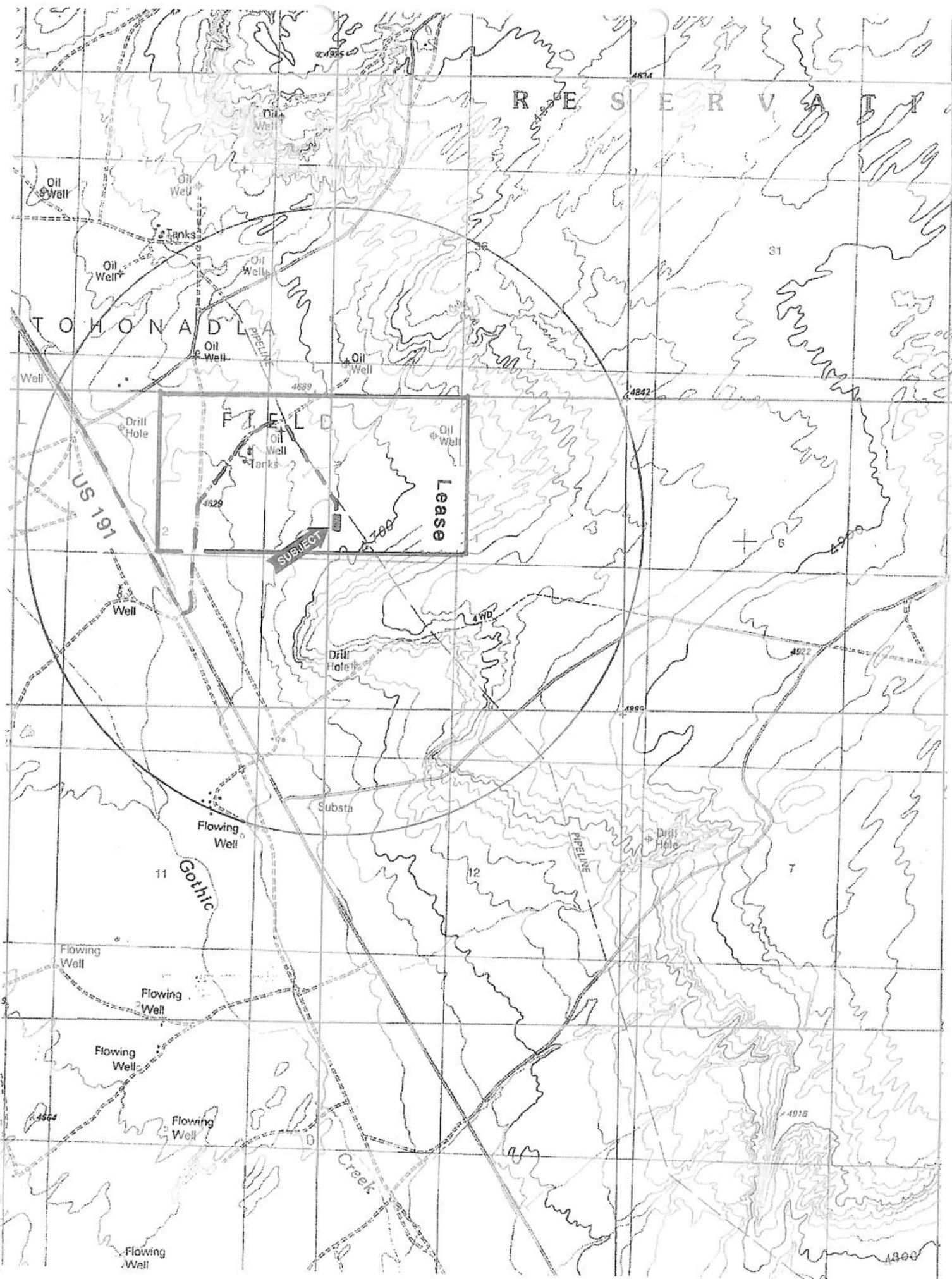
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San Juan County, Utah

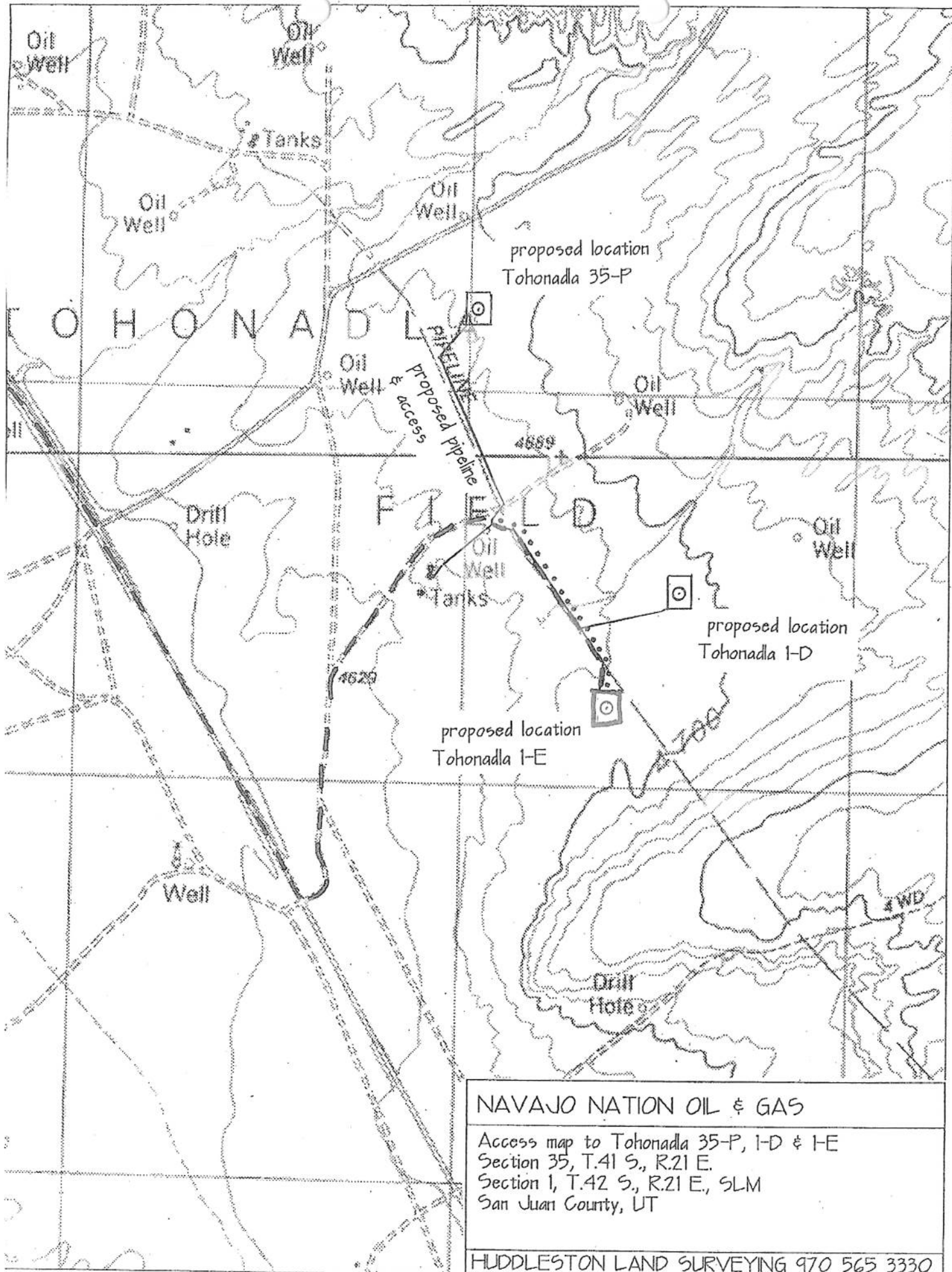
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The field representative will be:

Wilson Groen
Navajo Nation Oil & Gas Co., Inc.
P. O. Box 4439
Window Rock, AZ 86515
(928) 871-4880







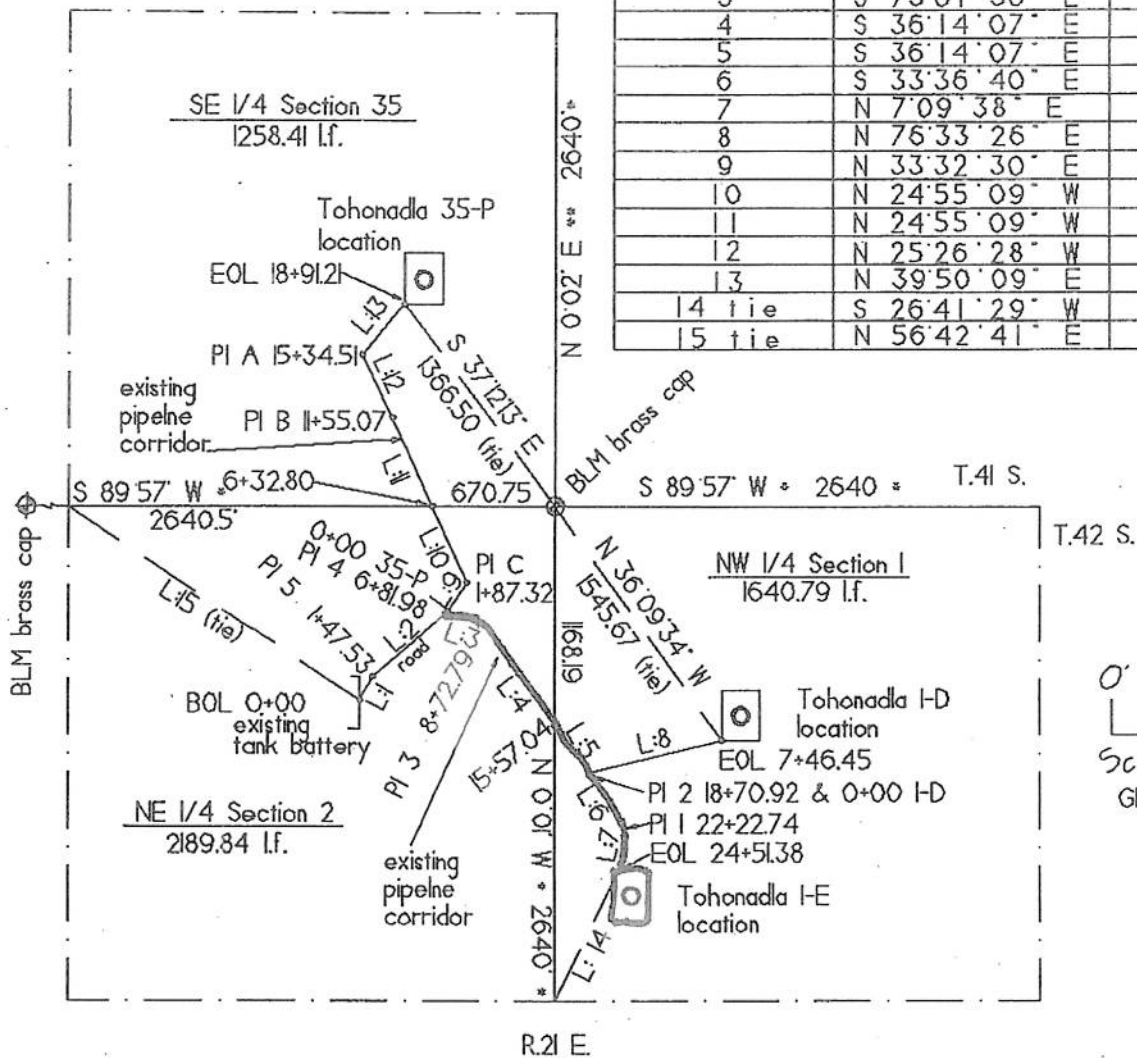
NAVAJO NATION OIL & GAS

Access map to Tohonadla 35-P, 1-D & 1-E
Section 35, T.41 S., R.21 E.
Section 1, T.42 S., R.21 E., SLM
San Juan County, UT

HUDDESTON LAND SURVEYING 970 565 3330

Description Data

LINE NO.	DIRECTION	LENGTH
1	N 29°06'02" E	147.53
2	N 49°26'04" E	534.45
3	S 73°01'36" E	190.81
4	S 36°14'07" E	684.25
5	S 36°14'07" E	313.88
6	S 33°36'40" E	351.82
7	N 7°09'38" E	228.64
8	N 76°33'26" E	746.45
9	N 33°32'30" E	187.32
10	N 24°55'09" W	445.48
11	N 24°55'09" W	522.27
12	N 25°26'28" W	379.44
13	N 39°50'09" E	356.70
14 tie	S 26°41'29" W	781.97
15 tie	N 56°42'41" E	1885.65



Scale 1" = 1000'
GPS True North



KNOW ALL MEN BY THESE PRESENTS that I Gerald G. Huddleston, do hereby certify that this plat was prepared from field notes of an actual survey made by me or under my supervision and that the same is true and accurate to the best of my knowledge and belief.

Nava jo Nation Oil & Gas

Proposed pipeline & access to:
Tohonadla I-D, I-E & 35-P
Section 1 & 2, T.42 S., R.21 E.
Section 35, T.42 S., R.21 E., SLM
San Juan County, UT

05 10 '07

HUDDLESTON LAND SURVEYING - POD KK, CORTEZ, CO 81321 - 970 565 3330

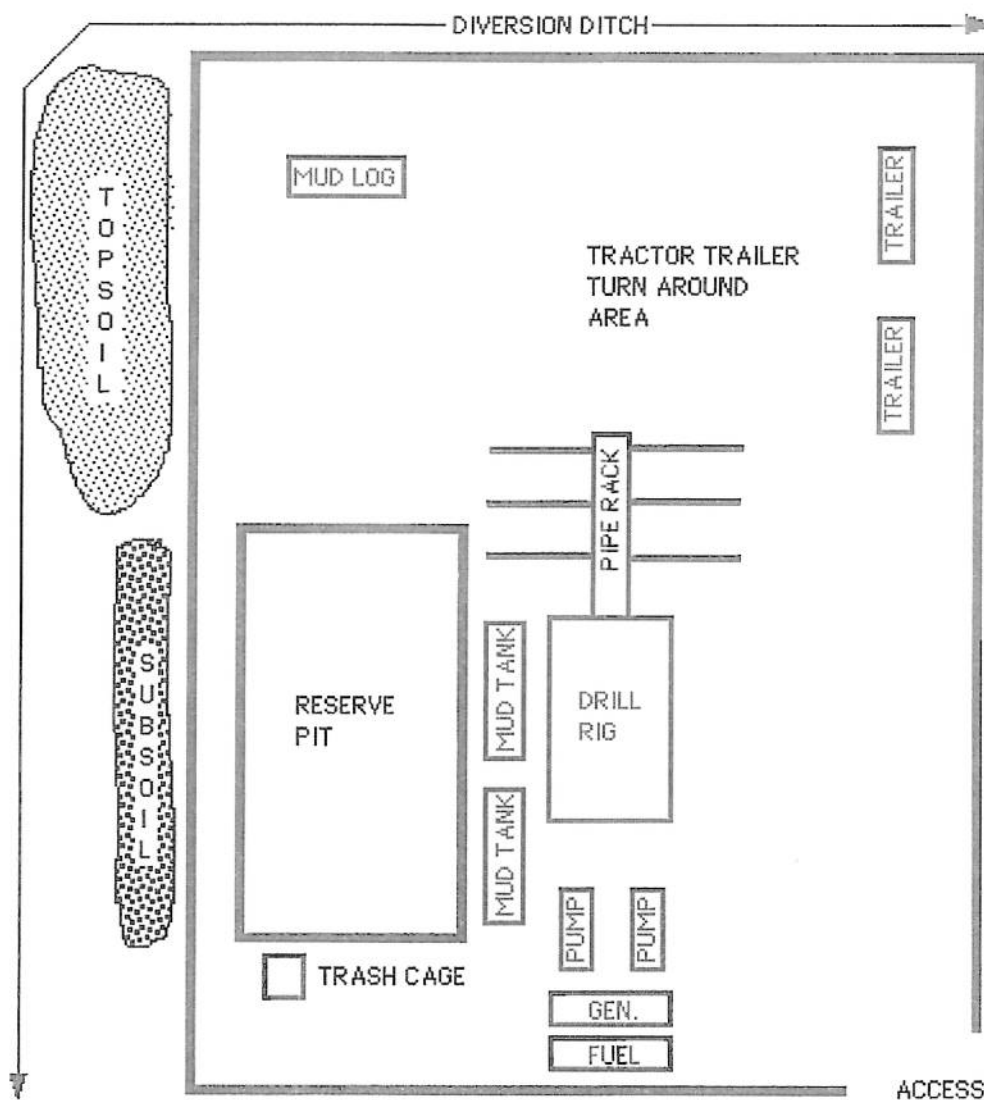
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1" = 50'



NORTH



Tohonadla I-E
well pad & section

front

South

130'

140'

rear

84'

82'

80'

4683' el.

estimated C.O.

105'

30'

120'

cuttings
75'

divider 5'

water
pit
10' deep

C 4'

C 10'

C 10'

C 1'

left

a

a'right

abandoned
pipeline

access
pipeline

a

Cross section

a'



0' 50'
Scale 1" = 50'

cut
slope

fill
slope

stake/pin flag

**Hydrogen Sulfide (H₂S) Contingency Plan
For Navajo Nation Oil & Gas Co. Inc.'s**

Tohonadla 1-D

1119' FNL & 1017' FWL Sec. 1 T42S R21E

Tohonadla 1-E

2081' FNL & 417' FWL Sec. 1 T42S R21E

Tohonadla 35-P

1219' FSL & 722' FEL Sec. 35 T41S R21E

San Juan County, Utah

Navajo Nation Oil & Gas, Inc

Post Office Box 4439

Window Rock, Arizona 86515



PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
37 Verano Loop, Santa Fe, New Mexico 87505 (505) 466-8120

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Checklist for Drilling, Workover, and Maintenance in H₂S Environment

1. Two safety briefing areas at least 100 yards from well head and arranged so that one briefing area will be upwind at all times. These sites should be located uphill whenever possible. (see Appendix 3.2)
2. Identify direction of prevailing winds (see Appendix 3.2)
3. At least two wind socks installed at all times
4. Primary and secondary emergency escape routes (flagged trail minimum)
5. Number, types, and storage location of H₂S emergency respirators for personnel, and number of personnel to be present onsite at any one time.
6. H₂S detector locations (3 minimum to include cellar or bell nipple and mud tanks at shale shaker). Type and location of visual and audible alarms to be used.
7. H₂S evacuation and emergency training procedures and schedule (i.e. Contingency Plan)
8. List of area residents within a two-mile radius, evacuation plan, and contact list (including agencies and individuals)
9. Types and quantities of mud additives and scavengers to be available at location for H₂S operations
10. Design features and operational procedures to be used to provide safe working environment (including a certification by the operator on the APD that all equipment meets standards for H₂S service)
11. Appropriate warning signs and flags on all access roads
12. Provisions for blocking and monitoring access to location during critical incident
13. Ventilation fan under rig floor
14. In event of uncontrolled blowout, designation of local official who has authority to ignite flow
15. Swabbing or drillstream fluids containing H₂S should be put through a separator to permit flaring of gas. Flare should have a continuous pilot light to ensure ignition of all such gas.

1.0 General

1.1 Description of Hydrogen Sulfide Gas

Hydrogen Sulfide (H_2S) is a colorless, transparent gas with a distinct and characteristic rotten-egg odor at low concentrations and not detectable by odor at high concentrations. H_2S at higher concentrations and/or over longer periods of exposure paralyzes the olfactory sense for that specific offer. The gas is extremely toxic to humans and can easily become dangerous and lethal. Extreme care and caution is needed to prevent injury and/or death. H_2S has a specific gravity of 1.192 which is heavier than air. It tends, therefore, to accumulate in low places. This collection of gas can lead to dangerous concentrations in areas such as arroyos and drainages. H_2S from "downhole" is often warmer than surface air and will therefore tend to rise and therefore affect workers above the escaping source. Hydrogen Sulfide is explosive and water soluble.

1.2 Toxicity

American National Standards Institute standard: Z37.2-1972 Acceptable Concentrations of Hydrogen Sulfide describes H_2S toxicity in this way: Hydrogen Sulfide is an extremely toxic and irritating gas. Free hydrogen sulfide in the blood reduces its oxygen-carrying capacity, thereby depressing the nervous system. Hydrogen sulfide is oxidized quite rapidly to sulfates in the body, therefore no permanent aftereffects occur in cases of recovery from acute exposures unless oxygen deprivation of the nervous system is prolonged. There is no evidence that repeated exposures to hydrogen sulfide result in accumulative or systemic poisoning. Effects such as eye irritation, respiratory tract irritation, slow pulse rate, lassitude, digestive disturbances, and cold sweats may occur but these symptoms disappear in a relatively short time after removal from the exposure. Odors become detectable in concentrations as low as .008 parts per million (ppm) (California studies) but the sense of smell is lost after 2-15 minutes at 100 ppm.

1.3 H₂S First Aid and Treatment Procedures

- Victim should be removed to fresh air immediately**
- If victim is not breathing, rescue breathing or artificial breathing should be started immediately
- Treat for shock; keep victim warm and comfortable
- Call ambulance and/or doctor, take victim immediately to emergency room or other healthcare facility

****The rescuer(s) should always wear personal protective equipment when attempting to rescue a H₂S victim. It is important to never increase the number of victims unnecessarily during a H₂S emergency.**

2.0 Hydrogen Sulfide H₂S Contingency Plan

2.1 Introduction

This plan provides required procedures to be followed to adequately provide for a safe H₂S working environment. These required procedures include safety procedures, precautionary measures, and training for emergency and standard procedures. This document sets forth the responsibilities of the operator and all individuals and entities under employment or contract with the operator working in a sour gas (H₂S) area.

To make this contingency plan effective and in order to provide a safe working environment, cooperation from all individuals is a necessity. To this end each person onsite must understand normal and emergency operating procedures for this site. Each individual onsite must have adequate information, training, and practice with the specific procedures described in this Contingency Plan. It is the responsibility of both the operator to provide adequate equipment, training, and procedures, as well as the individual "worker's" responsibility to participate fully in all H₂S procedures, to familiarize themselves with the location of all safety equipment and features, and to keep equipment and procedures in working order and up to date.

In order for Navajo Nation Oil & Gas, Inc. to provide a safe working environment for all "workers" and individuals in the vicinity of the well the safeguards are put in place. **Initiative lies with each and every individual for the safety of all. To this end the drilling foreman is required to and will enforce all safety procedures, for the benefit of all involved.**

2.2 Purpose

It is Navajo Nation Oil & Gas, Inc.'s intention to provide a safe working environment for all employees, contractors, and others involved with the drilling of its wells. There exists the possibility of encountering toxic H₂S gas during the construction, completion, and maintenance of the well. To such end, this H₂S contingency plan will be put into effect after surface casing is drilled or when it is deemed necessary by the BLM in consultation with Navajo Nation Oil & Gas, Inc.'s geologist and management.

Safety procedures are established for each person's safety connected with the operation and for the safety of the residents of the local area.

These procedures will be strictly enforced by Navajo Nation Oil & Gas, Inc.'s foreman. Noncompliance may result in loss of pay or dismissal from the sight, job, or employment.

2.3 Operating Procedures

Before this H₂S contingency plan is operational, all personnel that are to be involved with operation shall be thoroughly trained* in the proper use of breathing apparatus (i.e. SCBAs and Escape Units), emergency procedures, and H₂S first aid and rescue methods. An approved list of trained personnel will be supplied by the safety company and stored with the drilling foreman.**

*Required training for operation personnel will include, but not be limited to, H₂S safety course from an approved training company, safety briefing on drill site of all safety equipment use and locations before the start of work for each and every person onsite, safety related training in-place, on-site 1,000 feet before the first H₂S formation.

**Throughout this contingency plan breathing apparatus shall be understood as

- a) A Self-Contained Breathing Apparatus (SCBA) manufactured such as Scott Industrial c100 or similar.
- b) Or an emergency Escape Unit such as the Scott SCRAM or Elsa (or similar) often referred to as hip packs, hoods, or pony bottles.

The two types of breathing apparatus will be differentiated as a SCBA or an Escape Unit as required.

2.3.1 Safety Equipment

Personal H₂S monitors- Every person onsite will be required to wear a personal H₂S monitor at all times while onsite. Monitors will not be worn on hard hats, but should be worn on the waist belt or preferably near the chest in-front.

Breathing Apparatus- all personnel on the drill site will be assigned an individual breathing apparatus unit. This may be either an escape unit or a SCBA unit. A minimum of two SCBA type units will be onsite. These units will be used by the team whose duty it is to serve as the onsite rescue team.

Monitoring and Recording Devices-An experienced safety company (such as DXP Safety Alliance, Farmington, NM) will be responsible for the installation and monitoring of H₂S detectors placed on site. These units will be tested and recalibrated as the safety company requires. If H₂S is detected, the monitors will be tested and recalibrated at least every 12 hours. This monitoring system may or may not be integral to the required two stage alarm system on site. This two stage system (visual and audio) will have a minimum of three H₂S detector locations. Monitors will be located 1), in the cellar or on the bell nipple, 2), at the mud tanks' shale shaker, and 3), to be determined by the safety company. Visual (light) and audio (siren) will activate when H₂S concentrations reach 10 ppm.

First-Aid and rescue equipment-Stored on-site, but ideally up-hill and up-wind from H₂S sources a minimum of one "rescue pack" will contain at least:

- 1 backboard, straps, headblocks
- a set of cervical collars (s-xl)
- 1 bag valve mask
- 1 bottle of oxygen
- gauze and other standard first-aid items

suggested 1 AED (automatic external defibrillator).

Gas Monitor-An appropriate monitor should be on-site that can measure for LLE, VOC, and other explosive or hazardous gasses.

2.3.2 Safety Procedures

Cascade System- Every person required to perform duties within "safety zones" (see list below) will be provided with breathing equipment attached to a cascade air system. These areas are as follows

- rig floor
- mud pit
- derrick
- shale shaker
- mud hopper and bulk hopper
- all hazardous locations will be accessible by hose and work pack (SCBA)

Escape Routes- Two escape routes will be at a minimum flagged and kept clear at all times.

Safety Briefing Areas-Two safety briefing areas will be located at the end of escape routes (see above). The briefing areas will be clearly marked, up-hill, and located so that one site is always up wind. Please see attached site map for safety briefing areas in Appendix 3.4.

Safety, first-aid, and rescue equipment-Will be stored properly onsite using best practices. This will include proper maintenance and scheduled testing, inspection, and training/practice.

Service companies- All service companies will be briefed regarding potential hazards of the well site including the presence (or potential for) H₂S. These companies will be required to provide breathing apparatus and training to their employees. No service company personnel will be allowed onsite without meeting these requirements. In addition a safety briefing under the direction of the drill foreman regarding site specific H₂S procedures will be provided to each new personnel member reporting on-site.

Drills and practice- Drills reviewing all and any safety procedures including evacuation, rescue, and proper procedures to shut-in a well, and identify source of H₂S in instance of a leak will be practiced under the supervision of the safety company representative and company foreman. Proper use of breathing apparatus will be instructed during such drills. Drill schedule will be designed to familiarize new personnel with all safety procedures. Each crew should also be familiar with all operations. Drills should include a short work period in safety equipment.

Warning Signs- Warning signs will be posted at all access roads. "No smoking" signs will be posted at access points as well. Signs will be posted more than 200 feet and no more that 500 from well pad. When H₂S is present at 10 ppm or greater a red flag shall be displayed on the warning sign. Gates, road barricades, and/or gate guards will be used if necessary to prevent access during critical or hazardous situations.

Wind Socks- A minimum of two wind socks should be installed at locations easily observable from all work areas. If more than two windsocks are needed in order to allow "workers" at all times to easily identify the wind direction; more windsock will be installed.

Vehicle Parking- Vehicles should be parked 200ft from well site with their noses pointing away from the well site. Preferably vehicles will be located up hill and up wind from the well along the escape route.

Testing Fluids- Swabbing and testing fluids containing H₂S will be pass through a separator to permit flaring of the gas. There will be a pilot light in such instances.

Bug Blowers- Circulation will be provided by explosion proof electric fans to all critical locations when necessary.

Drills reviewing all and any safety procedures including evacuation, rescue, and proper procedures to shut-in a well, and identify source of H₂S in instance of a leak will be practiced under the supervision of the safety company representative and company foreman. Proper use of breathing apparatus will be instructed during such drills. Drill schedule will be designed to familiarize new personnel with all safety procedures. Each crew should also be familiar with all operations. Drills should include a short work period in safety equipment.

2.3.3 Working Conditions

Occupational Safety and Health Administration (OSHA) has set guidelines for Permissible Exposure Limits (PEL) This standard is to be considered the threshold **never to be exceeded** for the health and safety of all workers on this site. Ideally, exposure would never be this high.

2.3.3.1 Exposure Limits

OSHA Permissible Exposure Limit (PEL) for General Industry: 29 CFR 1910.1000 Z-2 Table -- Exposures shall not exceed 20 ppm (ceiling) with the following exception: if no other measurable exposure occurs during the 8-hour work shift, exposures may exceed 20 ppm, but not more than 50 ppm (peak), for a single time period up to 10 minutes.

OSHA Permissible Exposure Limit (PEL) for Construction Industry: 29 CFR 1926.55 Appendix A -- 10 ppm, 15 mg/m³ TWA (accessed via the internet at: http://www.osha.gov/dts/chemicalsampling/data/CH_246800.html#exposure on 19 July 2007)

The maximum exposure limit for an 8 hour day is less than 10 ppm.

2.4 H₂S Emergency Procedures

2.4.1 Incident

H₂S alarm system activation. Light and siren warnings or personal H₂S monitor activation for any one "worker."

2.4.2 Primary Emergency Procedure

- i. All rig crew personnel and all auxiliary personnel must **DON BREATHING APPARATUS IMMEDIATELY.**
- ii. Rig crew should mask up with SCBA type work packs preferentially
- iii. All auxiliary crew should move to safety briefing area, uphill and upwind.
- iv. All non-essential personal should continue to evacuate site.

2.4.3 Secondary Emergency Procedure

I. Supervisory Personnel

- i. Company Foreman
 - a. Proceed to cascade trailer and check for safe operation of cascade system
 - b. Proceed to active safety briefing areas and account for all personnel. If all personnel are not accounted for initiate appropriate search.
 - c. Return to drilling floor and supervise operations
- ii. Toolpusher
 - a. Proceed to cascade trailer and check if Company Foreman is operating cascade system safely. If NOT ensure safe operations of the cascade system.
 - b. Proceed to drilling floor and supervise operations. Make sure all crew members are accounted for and institute buddy system. If all personnel are not accounted for, initiate appropriate search.

II. Rig Crew

- i. Driller
 - a. if drilling

1. after donning breathing apparatus proceed to console and raise Kelly to slip set position

2. shut down mud pumps

3. monitor well flow, remain at console

4. using hand signals verify all personnel are at stations, verify company man and toolpusher's position, initiate search if well is not flowing

b. If tripping

1. after donning breathing apparatus put pipe in the slip-set position

2. stab safety valve, close safety valve

3. monitor well flow-remain at console

4. watch derrickman descend from derrick, verify all personnel locations, verify company man and toolpusher's position, initiate search if well is not flowing

c. if well is flowing

1. after donning breathing apparatus, shut well in HARD

2. verify all personnel locations, verify company man and toolpusher's position, initiate search if necessary

3. obtain necessary pressures for well control

4. Proceed to safety briefing area with crew, plan well control operations with all personnel

ii. Derrickman

a. after donning breathing apparatus, go to pit side window on the floor whether drilling or tripping (descend derrick)

b. maintain visual contact with driller and monitor flow

c. if mud properties are needed, then proceed to the shaker with "buddy"

d. monitor other hands on pit side of rig visually

e. proceed to open manual well-head if necessary (with "buddy")

iii. Motorman

- a. after donning breathing apparatus, go to the cascade system and ensure safe operation
- b. maintain visual contact with chain hand on doghouse side of floor

iv. Chainhand

- a. after donning breathing apparatus, stab safety valve if tripping
- b. go to doghouse/pipe-rack and maintain visual contact with driller and motorman

v. Floorman

- a. after donning breathing apparatus, stab safety valve if tripping
- b. aid driller while maintaining visual contact with driller, derrickman, and chainhand

III. Auxiliary Personnel

- i. Mud engineer and Company man or geologist are to act as wardens. Wardens must account for all other auxiliary crew.
- ii. All auxiliary crew are to remain in safety briefing area unless evacuated by wardens.
- iii. Wardens organize search with notification from company. All searches are to be done with "buddy". Geologist warden should remain in safety briefing area.

2.4.4 Igniting the Well

I. Decision

- i. The Company Foreman holds the responsibility for the decision to ignite a well. In the case where he is incapacitated or absent authority passes to the toolpusher and then the contract driller
- ii. the decision to ignite the well is only to be made as a last resort safety measure when
 - a. there is threat human life and grave threat to public safety and equipment

b. there is no alternative way of containing the well given the emergency faced.

c. an attempt was made to contact area office (circumstances permitting)*

***when human life is threatened no delay in decision making can be afforded**

I. Instructions for Igniting the Well

- i. Two individuals are required for ignition
- ii. Both individuals will wear SCBAs and have 200 foot retrieval cords tied to there waists
- iii. One individual will measure the atmosphere for explosive gasses with appropriate meter.
- iv. The other individual will remain in the safety briefing area
- v. Others in the briefing area are to remain aware of both individuals and aid as able. If either tethered individual is overcome by gas, he should be pulled to safety.
- vi. The well should be lit with a 25 mm meterotype flare gun when well conditions allow. The safest method of igniting the well should always be used.
- vii. Burning H_2S will produce sulfur dioxide which is poisonous. The area, therefore is not safe once the well has ignited. Continue to observe all emergency procedures and follow orders from supervisors and the area office. Notice of incident should be reported to all appropriate authorities.

3.0 Appendices

3.1 Check List for Safety Equipment (designed for a maximum of 11 people)

- ☐ Safety Trailer housing cascade system at least ten 300 cu. ft. bottles of compressed air
- ☐ 7 SCBA type breathing apparatus with 45 cu. ft. bottles
- ☐ 5 breathing masks connected to the cascade system with 7 cu. ft. pony bottles
- ☐ 2 extra 300 cu. ft. bottles able to refill SCBA bottles to be placed at the safety briefing areas
- ☐ 2 Wind socks
- ☐ 1 Flare gun and flares
- ☐ 1 rescue pack (as described in section 2.3.1)
- ☐ Warning signs for access (flags for marking conditions)
- ☐ "Safety Briefing Area" signs, evacuation route flags
- ☐ H₂S monitors (personnel and stationary)
- ☐ Alarm system (audio and visual—explosion proof)
- ☐ Gas Monitor

3.2 Emergency Phone Numbers

Navajo Nation Oil & Gas Company Personnel to be Notified

Wilson Groen	President	Office: (928) 871-4880 Cellular: (505) 879-6483 Direct (928) 871-8501
Rich Ferris	Cell: 303-618-2925	Home: 303-693-9207
Sam Butler	Cell: 303-888-8920	Home: 303-329-9418
Sallie Tippie	Cell: 303-884-8875	Home: 303-331-8695

Safety Company Personnel

(Name)	(Position)	(Number work) (Number home)
(Name)	(Position)	(Number work) (Number home)

Local Agencies

San Juan County Fire Department	(Monticello)	911 (435) 587-3225
San Juan County Sheriff (Monticello)		911 (435) 587-2237
San Juan County Emergency Management (Monticello)		(435)-587-3225
Blanding Medical Center 804 North 400 West, Blanding, UT		(435) 678-2254
San Juan Hospital 364 West 100 North, Monticello, UT		(435) 587-2116
Navajo Nation Police (Montezuma Creek)		(505) 368-1350
(Monument Valley)		(505) 325-0022

Other Government Agencies

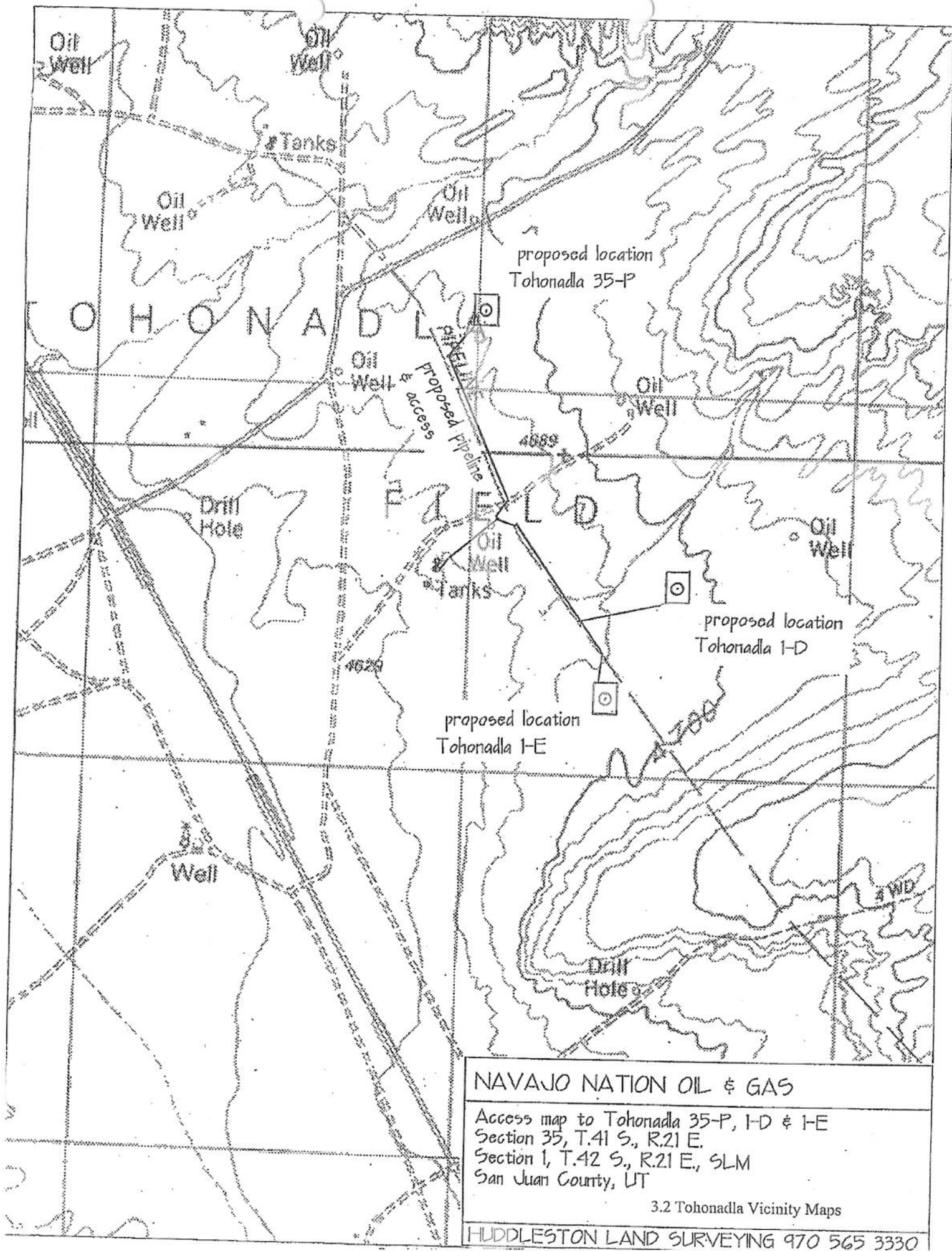
National Response Center		800-424-8802
BLM	Monticello Field Office	(435) 587-1500
	Jeff Brown	(435) 587-1525

	Mobile	(435) 459-4886
	Field Manager	(435) 587-1505
BLM	Farmington Field Office	(505) 599-8900
	Emergency line	(505) 599-8907
	Jim Lovato	(505) 599-6367
BIA, Window Rock	Bertha Spencer	(928) 871-5938
Utah Division of Oil, Gas and Mining (SLC)		
	During Office Hours	(801) 538-5340
	After Hours	(801) 243-9466
Utah State Emergency Response Commission		(801) 536-4123
Utah Highway Patrol (Monticello)		(435) 587-2000
Mexican Water Chapter House		(928) 674-3641
Red Mea Chapter House		(928) 656-3655
Utah Health Department (Price)		(435) 637-3671
US EPA Region 8 (Denver)		(800) 227-8917
Navajo Nation Minerals Dept. (Window Rock, AZ)		(928) 871-6587
Veterinarian	Angel Peak Vet. Hospital (Farmington)	(505) 632-3561
Veterinarian	Farmington Veterinary Clinic	(505) 325-7462
Veterinarian	Watkins, Clyde H. DVM	(435) 678-2414
Helicopter	New Air Helicopters (Durango)	(970) 259-6247
Helicopter	Heli NM (Albuquerque)	(866) 995 1058
Blanding Air Ambulance		(800) 742-8787
Classic Aviation		(800)-444-9220 ext 5

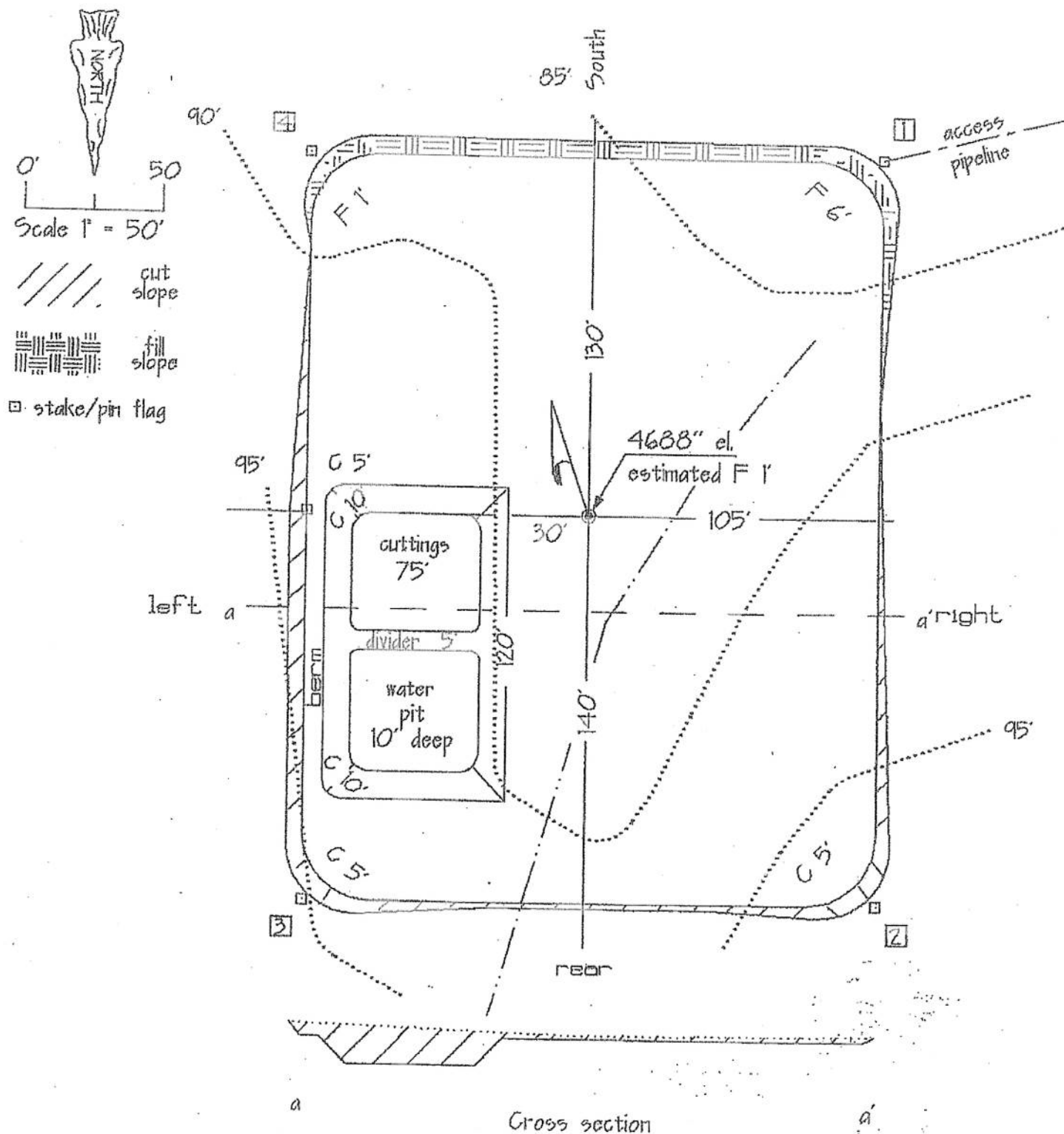
Emergency Phone Numbers Local Residents within 2 miles

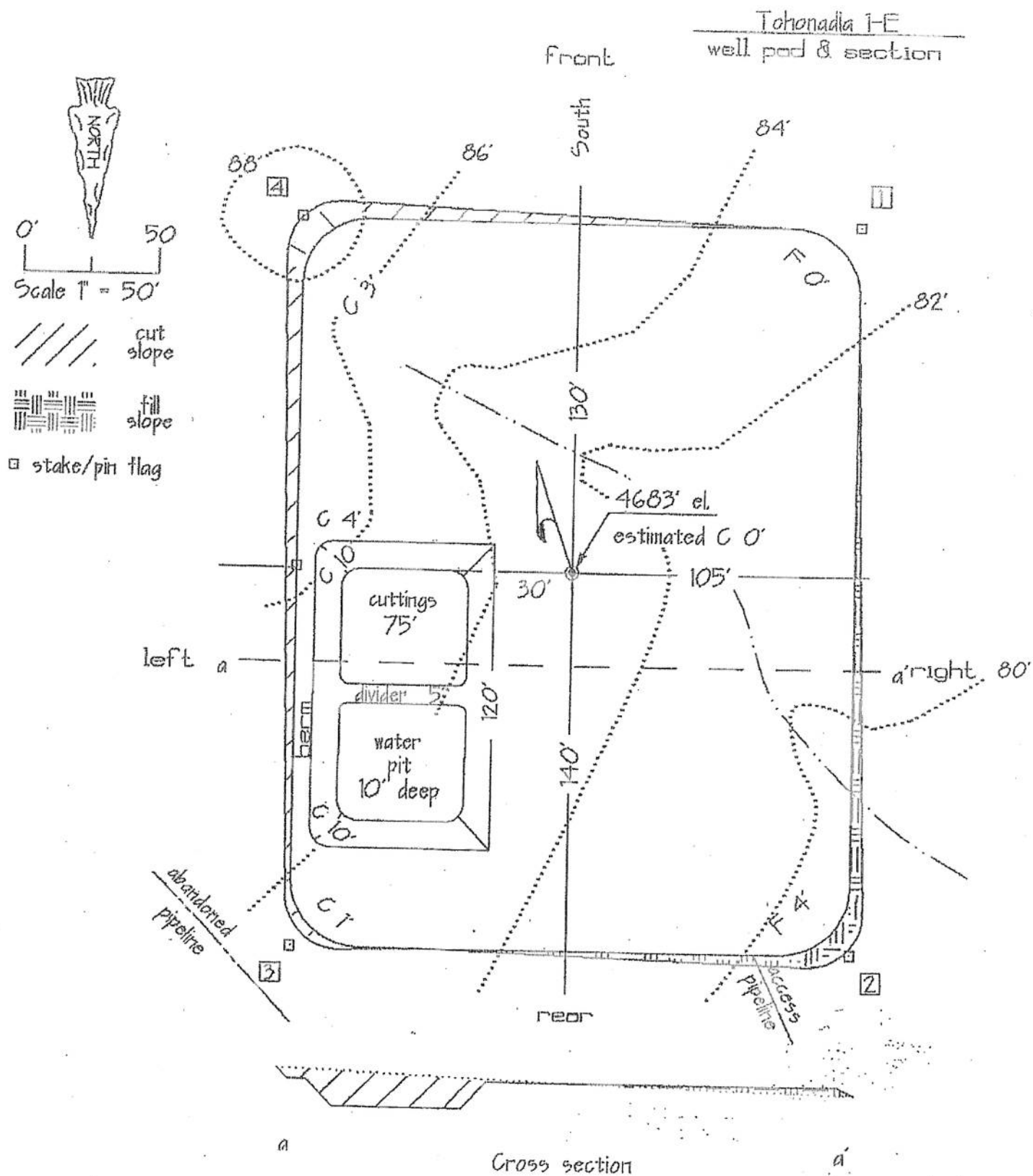
See maps to follow

'APIWellNo:43037500060000'



Tohonadla 35-F
well pad & section

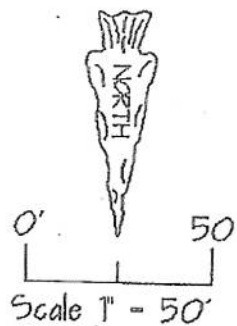




Tohonadla 1-D
well pad & section

front

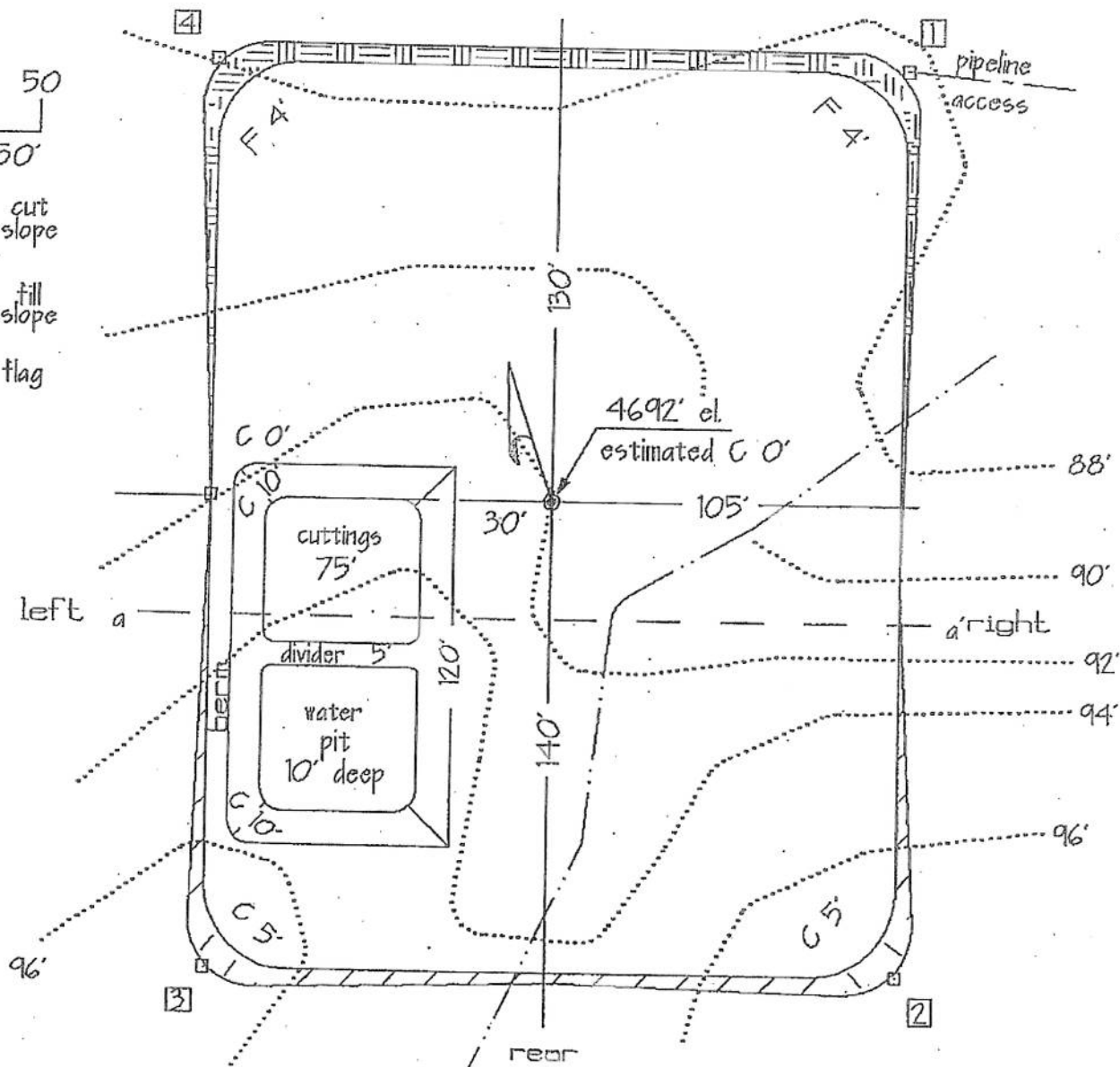
South



cut slope

fill slope

stake/pin flag



Cross section

Proposed Tohonadla Wells

Navajo Nation
Oil & Gas Co. Inc.

Sec. 35 T. 41 S., R. 21 E.

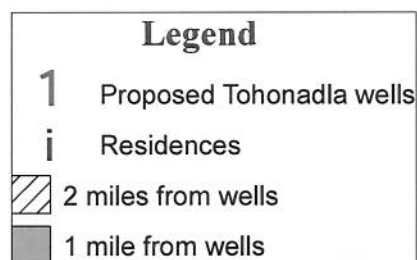
Sec. 01 T. 42 N., R. 21 E.

San Juan County, Utah



Local Residences Contingency Map

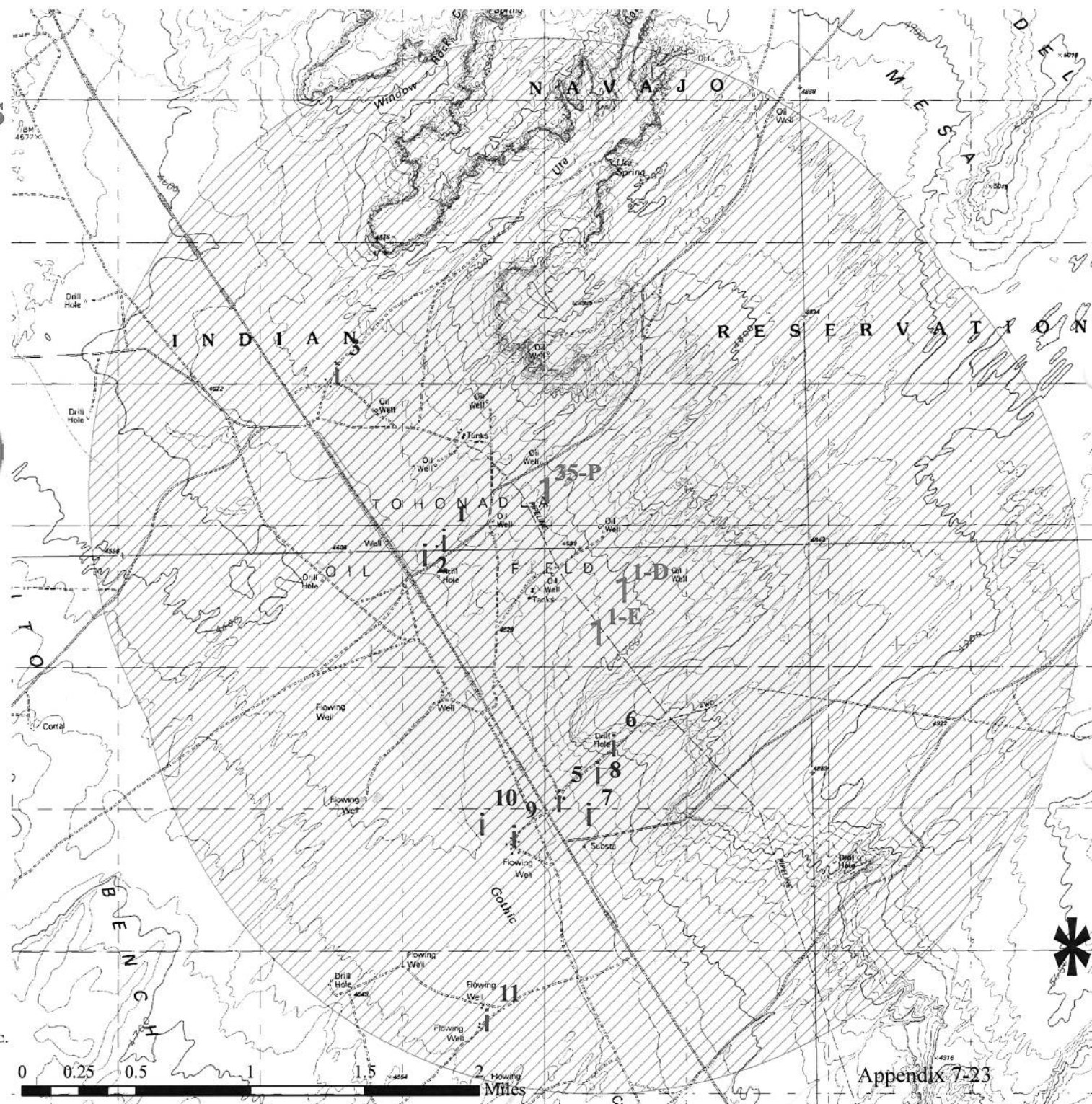
Prevailing Winds
From the Southwest



15 January 2008

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
37 Verano Loop, Santa Fe, New Mexico 87505 (505) 466-8120

3.2 Local Residences Map

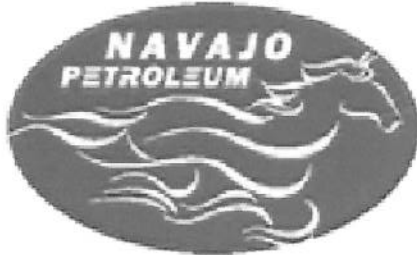


Proposed Tohonadla Wells

Navajo Nation
Oil & Gas Co. Inc.

Sec. 35 T. 41 S., R. 21 E.
Sec. 01 T. 42 N., R. 21 E.

San Juan County, Utah



Local Residences Contingency Map

Prevailing Winds
From the Southwest

Legend

- ✦ Proposed Tohonadla wells
- 🏠 Residences
- ▨ 2 miles from wells
- 1 mile from wells

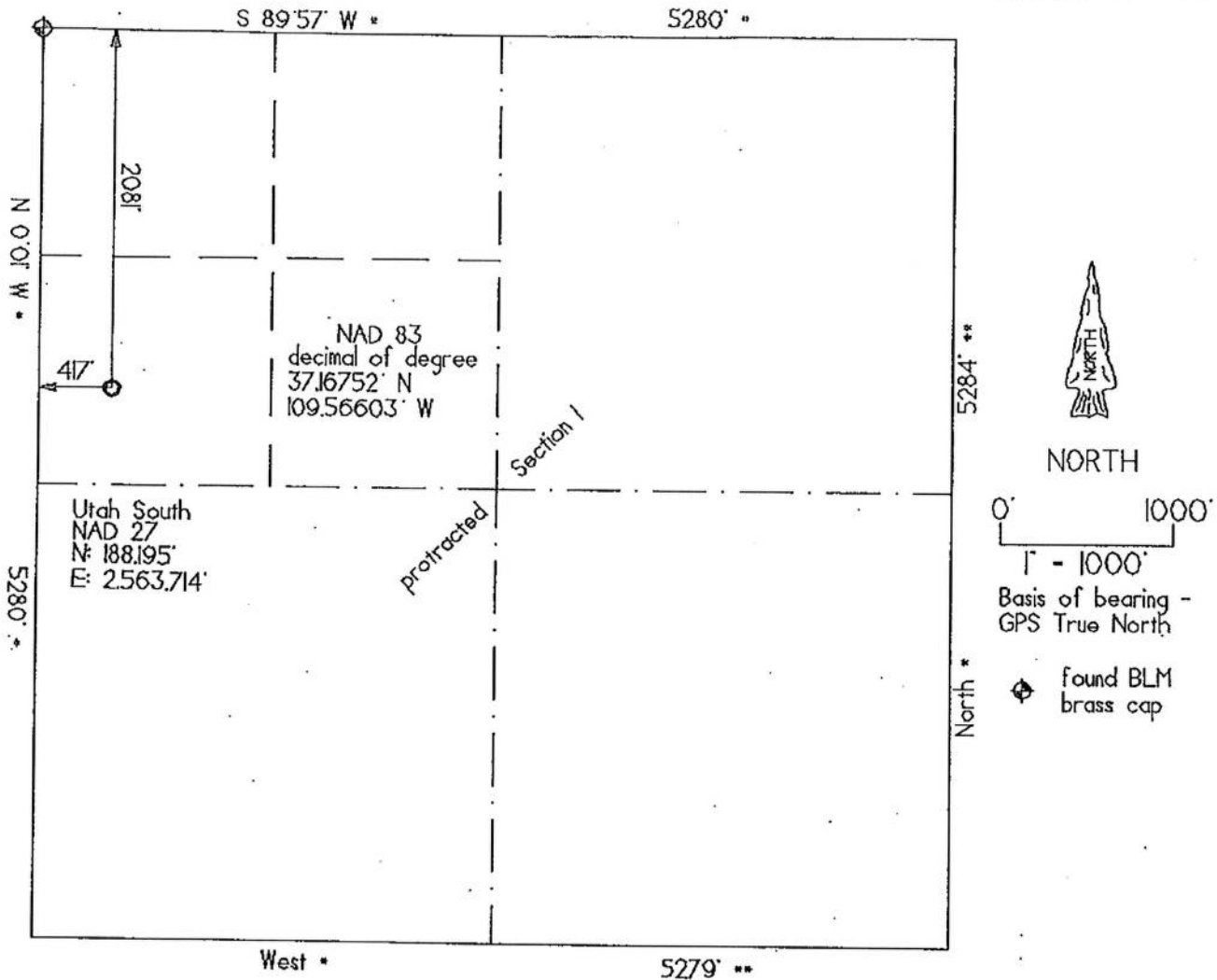
15 January 2008

PERMITS WEST, INC.
PROVIDING PERMITS FOR LAND USERS
27 VILLAGE LANE, SANTA FE, NEW MEXICO 87501 (505) 836-8120

3.2 Local Residences Key

ID	Name	Phone	Comments
1	Julias Stash	NO	1 beige house, 1 white single wide trailer, 1 hogan
2	Betty Stash	NO	1 light blue house
3	n/a	n/a	2 double wide beige trailers, 1 green house, 1 faded blue house
4	n/a	n/a	1 beige house, 1 gray trailer, 1 small metal building
5	n/a	n/a	1 large tan building (a child development center), 1 white single wide
6	n/a	n/a	1 tan house, small brown trailer
7	n/a	n/a	1 large gray and brown trailer
8	n/a	n/a	1 very large brown house
9	Tom Tsosie Boy	NO	Very large compound- 1 tan trailer, 1 brown double wide, 1 yellowish house, 3 hogans, 1 small brown house, 1 log cabin shed
10	Jean and James Benally	435.459.9975	1 white double wide
11	n/a	n/a	1 yellow house, 1 blue house, 1 white double wide, 1 small white house, 2 hogans, 1 log cabin shed

Well Location Plat



Well Location Description

NAVAJO NATION OIL & GAS CO. INC.
TOHONADLA I-E
2081' FNL & 417' FWL
Section 1, T.42 S., R.21 E., SLM
San Juan County, UT
4683' grd. el. (from GPS)

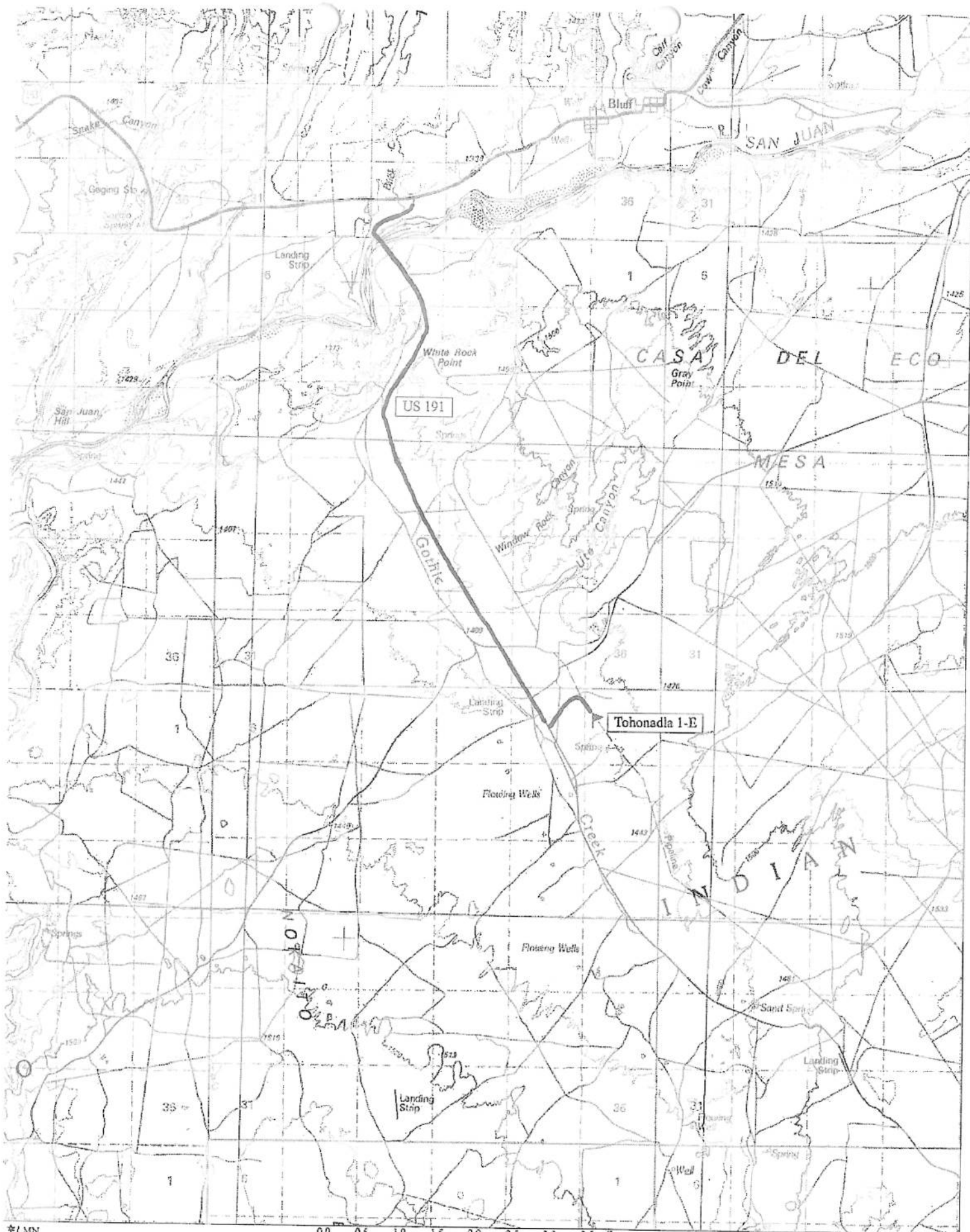


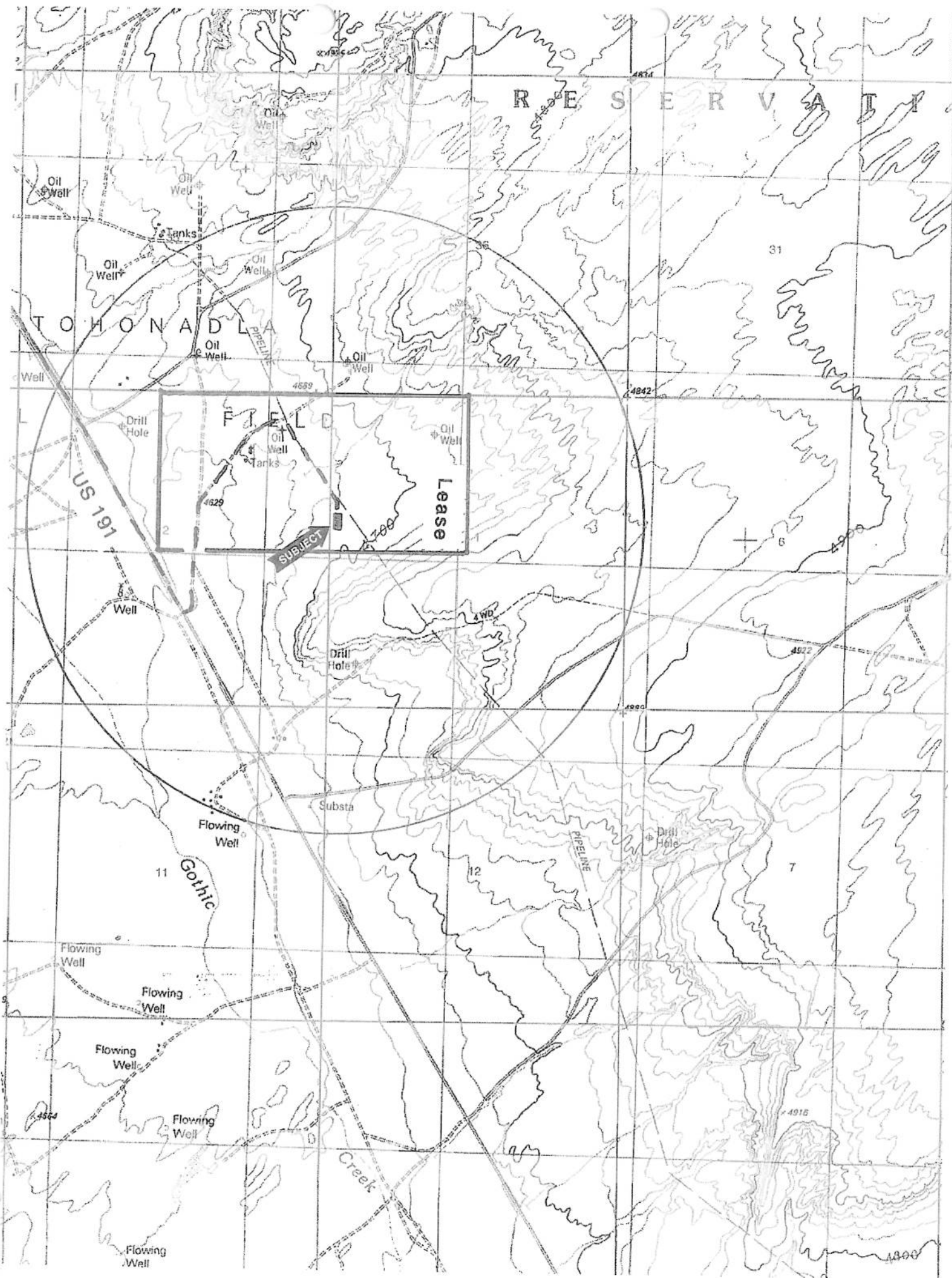
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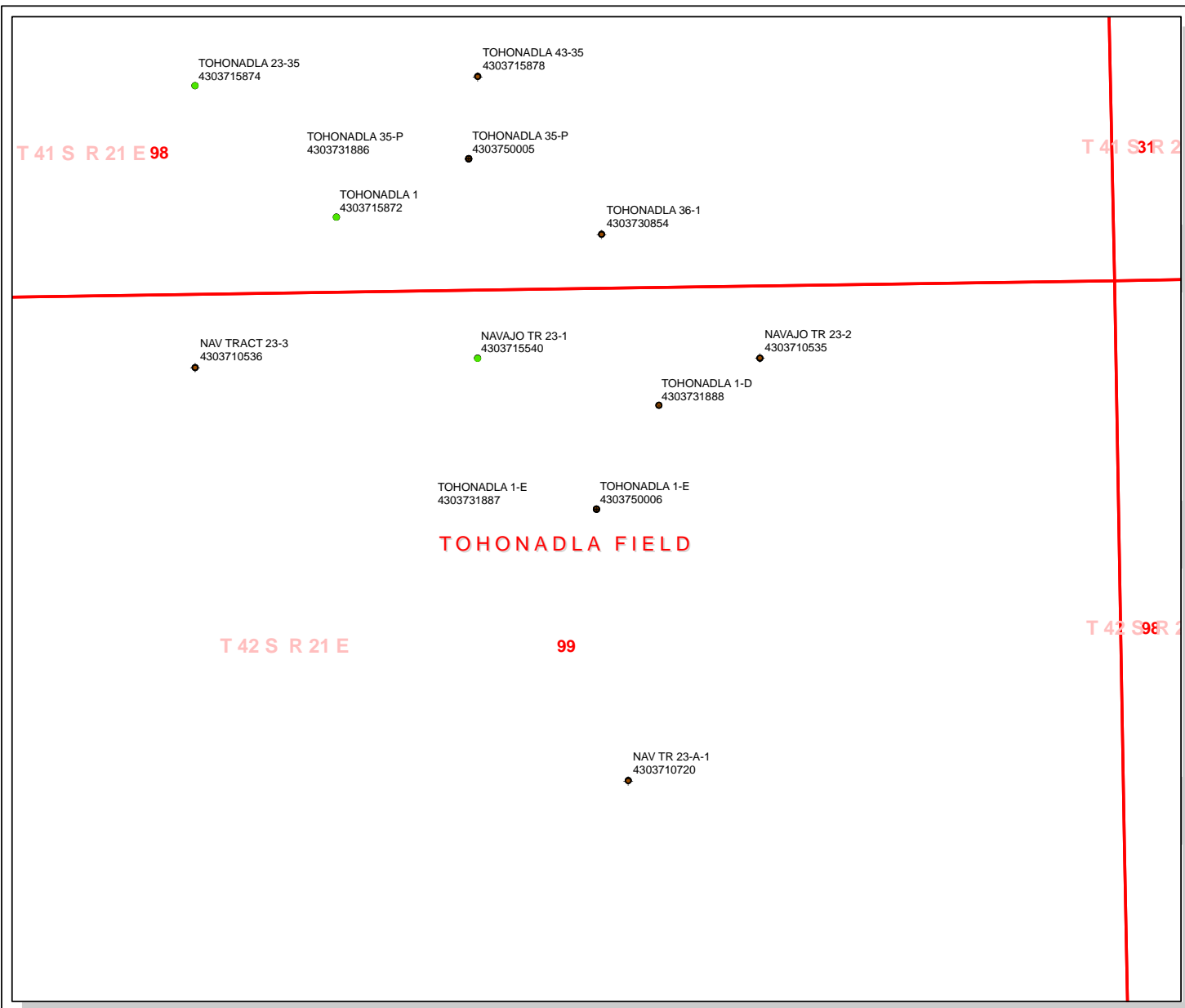
Gerald G. Huddleston
Gerald G. Huddleston, LS

The above is true and correct to my knowledge and belief.

HUDDLESTON LAND SURVEYING - BOX KK - CORTEZ, CO - (970) 565 -3330

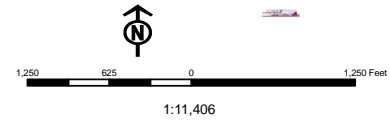






API Number: 4303750006
Well Name: TOHONADLA 1-E
Township 42.0 S Range 21.0 E Section 01
Meridian: SLBM
Operator: NAVAJO NATION OIL & GAS CO
Map Prepared: Diana Mason
Map Produced by Diana Mason

- | Units | Status | Wells Query |
|--------------|---------------|------------------------------------|
| ACTIVE | EXPLORED | APD - Approved Permit |
| GAS STORAGE | NF PP OIL | DRL - Spudded (Drilling Commenced) |
| NF SECONDARY | PI OIL | GIW - Gas Injection |
| PP GAS | PP GEOTHERMAL | GS - Gas Storage |
| PP OIL | SECONDARY | LA - Location Abandoned |
| TERMINATED | | LOC - New Location |
| | | OPS - Operation Suspended |
| | | PA - Plugged Abandoned |
| | | PGW - Producing Gas Well |
| | | POW - Producing Oil Well |
| | | RET - Returned APD |
| | | SGW - Shut-in Gas Well |
| | | SOW - Shut-in Oil Well |
| | | TA - Temp. Abandoned |
| | | TW - Test Well |
| | | WDW - Water Disposal |
| | | WIW - Water Injection Well |
| | | WSW - Water Supply Well |
- Fields**
- Sections
 - Township
 - Bottom Hole Location - AGRC



WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 8/26/2010

API NO. ASSIGNED: 43037500060000

WELL NAME: TOHONADLA 1-E

OPERATOR: NAVAJO NATION OIL & GAS CO (N2550)

PHONE NUMBER: 303 534-8300

CONTACT: Al Zier

PROPOSED LOCATION: SWNW 01 420S 210E

Permit Tech Review: ☒

SURFACE: 2081 FNL 0417 FWL

Engineering Review: ☐

BOTTOM: 2081 FNL 0417 FWL

Geology Review: ☒

COUNTY: SAN JUAN

LATITUDE: 37.16745

LONGITUDE: -109.56528

UTM SURF EASTINGS: 627382.00

NORTHINGS: 4114208.00

FIELD NAME: TOHONADLA

LEASE TYPE: 2 - Indian

LEASE NUMBER: 1420603270

PROPOSED PRODUCING FORMATION(S): LEADVILLE

SURFACE OWNER: 2 - Indian

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☒ **PLAT**
- ☒ **Bond:** INDIAN - BIA RLB0006712
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☒ **Water Permit:** 09-135
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

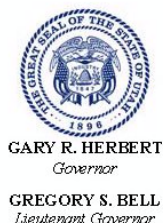
Commingle Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**
- Unit:**
- ☐ **R649-3-2. General**
- ☒ **R649-3-3. Exception**
- ☒ **Drilling Unit**
- Board Cause No:** R649-3-3
- Effective Date:**
- Siting:**
- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:
1 - Exception Location - bhill
4 - Federal Approval - dmason
23 - Spacing - dmason



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: TOHONADLA 1-E
API Well Number: 43037500060000
Lease Number: 1420603270
Surface Owner: INDIAN
Approval Date: 9/2/2010

Issued to:

NAVAJO NATION OIL & GAS CO, P.O. Box 4439, Window Rock, AZ 86515

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-3. The expected producing formation or pool is the LEADVILLE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <https://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:



Acting Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 1420603270
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO
2. NAME OF OPERATOR: NAVAJO NATION OIL & GAS CO		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: P.O. Box 4439 , Window Rock, AZ, 86515		8. WELL NAME and NUMBER: TOHONADLA 1-E
PHONE NUMBER: 303 534-8300 Ext		9. API NUMBER: 43037500060000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2081 FNL 0417 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 01 Township: 42.0S Range: 21.0E Meridian: S		9. FIELD and POOL or WILDCAT: TOHONADLA
		COUNTY: SAN JUAN
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 9/16/2010	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: 	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Spudded well as follows: Drilled and set 80' of 16" conductor on 8/15/2010 Started drilling with Bearcat Drilling, LLC at 8:00 AM on 9/16/2010 Surface Casing Detail: Drilled to 1427' and ran and cemented 8 5/8", 24#, J55 casing on 9/17/2010. Cemented with 620 sx. Cement circulated to surface. Cement fell back 15' from KB.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 07, 2010		
NAME (PLEASE PRINT) Al Zier	PHONE NUMBER 303 534-8300	TITLE Operations/Production Manager
SIGNATURE N/A		DATE 10/7/2010

Bearcat #2

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Bearcat #2

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DAILY DRILLING REPORT - Genesis ST Oil Co, LLC

Bearcat #2

Lease Tohonadla		Well No. 1-E	Location sec.35-41S21E	County/State San Juan Co. Utah		Report Date 09/28/2010	
Current Operation POOH		Total Depth 5,913		Footage 0	Hours 0	Days Since Spud 12	Cum Rot Hrs. 195.25
Time Summary		Hrs.	Bit Record		Mud Record		Drlg Assembly
Drlg.		Bit No.	3		Weight	9.1	Collars 611.57
Wash and Ream	2.00	Size	7 7/8		Visc (Sec)	42	Motor HBDP121.97
Circulating	4.25	Mfg.	Reed		W.L.-CC's	6.4	XO 2.5
Rig Serv.	1.00	Type	r30ap		FC 32's	2	WOB
Trips	11.25	Serial No	k42573		pH	10	RPM (Top/Bit)
Surveys		In	4,900		Solids %	5	
Cmtg.		Out	5,913		Gels	2/8	
Run Csg.		Ftg	1,013		PV	14	
NU BOP's		Hrs.	92.75		YP	10	Liners 6
Logging	5.50	Rate(ft/hr)	10.9		SS	0.2	Stroke 9
Rig Rprs		Jets	3x18		CA	200	SPM 108
MIRU		TBG	Broke/in		CL	800	Press(on/off btm) 1,400
COST DETAIL		DAILY		CUMULATIVE		COST DETAIL	
		DAILY		CUMULATIVE		COST DETAIL	
Loc & Roads			\$33,099		Anchors		\$5,775
Rig Cost	\$11,850		\$154,050		Cement		\$34,512
Bits			\$15,100		Welder		\$1,550
Mud	\$868		\$17,920		Surf Rental Equip	\$850	\$10,280
Water	\$440		\$12,350		Fuel		\$17,204
Supervision	\$750		\$16,500		Trucking		\$3,860
Geological/Mud Logger	\$1,100		\$8,800		Logging		
Rig Move			\$7,391		Test BOPs		\$2,343
Casing & Pipe			\$35,200		Wellhead (Misc)		\$2,180
Motor			\$24,320		TOTAL COST	\$15,858	\$402,434
DETAILS:							
6:00AM-7:45AM (1.75) POOH 25 stds.							
7:45AM-9:45AM (2) GIH.							
9:45AM-10:45AM (1) Wash 80' to bottom.							
10:45AM-12:45PM (2) Circ.							
12:45PM-1:45PM (1) Rig serv level derrick.							
1:45PM-2:45PM (1) Circ.							
2:45PM-6:30PM (3.75) POOH.							
6:30PM-8:00PM (1.5) WO Schlumberger							
8:00PM-12:00AM (4) RU Schlumberger, could not get past 1,970'. RD Schlumberger.							
12:00AM-3:15AM (3.25) GIH.							
3:15AM-4:15AM (1) Wash 90' to bottom.							
4:15AM-5:30AM (1.25) Circ.							
5:30AM-6:00AM (.5) POOH.							
Well Site Representative: Randy Shelton							

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DAILY DRILLING REPORT - Genesis ST Oil Co, LLC

Bearcat #2

Lease Tohonadla		Well No. 1-E	Location sec.35-41S21E		County/State San Juan Co. Utah		Report Date 09/23/2010		
Current Operation Drlg		Total Depth 4,968		Footage 150	Hours 9.5	Days Since Spud 7	Cum Rot Hrs. 108.5		
Time Summary		Hrs.	Bit Record		Mud Record		Drlg Assembly		
Drlg.	9.50	Bit No.	2	3	Weight	9.2	Collars	611.57	
Wash and Ream	7.75	Size	7 7/8	7 7/8	Visc (Sec)	41	Motor	29.33	
Circulating	0.50	Mfg.	Reed	Reed	W.L.-CC's	8	XO	hwdt121.97	
Rig Serv.	0.50	Type	e406-b7	r30ap	FC 32's	2	WOB	25x30	
Trips	5.00	Serial No	177061	k42573	pH	10.5	RPM (Top/Bit)	50/120	
Surveys	0.25	In	1,427	4900	Solids %	4			
Cmtg.		Out	4900		Gels		PUMP DATA		
Run Csg.		Ftg	3,473	68	PV	14			
NU BOP's		Hrs.	78.75	6	YP	9			Liners
Change BHA	0.50	Rate(ft/hr)	44.1	11.3	SS	0.25	Stroke	9	
Rig Rprs		Jets	6x16	3x18	CA	240	SPM	114	
MIRU		TBG	chip teeth		CL	1000	Press(on/off btm)	1,450	
COST DETAIL		DAILY		CUMULATIVE		COST DETAIL		DAILY	CUMULATIVE
Loc & Roads			\$33,099		Anchors			\$5,775	
Rig Cost	\$11,850		\$94,800		Cement			\$34,512	
Bits	\$8,100		\$15,100		Welder			\$1,550	
Mud	\$1,403		\$10,239		Surf Rental Equip	\$2,100		\$6,300	
Water	\$380		\$10,490		Fuel	\$7,555		\$17,204	
Supervision	\$750		\$12,750		Trucking			\$2,364	
Geological/Mud Logger	\$1,100		\$3,300		Logging				
Rig Move			\$7,391		Test BOPs			\$2,343	
Casing & Pipe			\$33,523		Wellhead (Misc)			\$2,180	
Motor	\$1,045		\$14,750		TOTAL COST	\$34,283		\$307,670	
DETAILS:									
6:00AM-6:45AM (.75) Drlg.									
6:45AM-7:00AM (.25) Survey 2 degr. @ 4,849'.									
7:00AM-9:45AM (2.75) Drlg.									
9:45AM-10:15AM (.5) Circ.									
10:15AM-1:30PM (3.25) POOH.									
1:30PM-2:00PM (.5) Change motor and bit.									
2:00PM-2:15PM (.25) Rig service.									
2:15PM-4:00PM (1.75) GIH.									
4:00PM-11:45PM (7.75) Wash and reem @ 1,986'-2,149', 2,438'-2,541', and 4,841'-4,900'.									
11:45PM-12:00AM (.25) Drlg.									
12:00AM-12:15AM (.25) Rig Service.									
12:15AM-6:00AM (5.75) Drlg.									
Well Site Representative: Randy Shelton									

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DAILY DRILLING REPORT - Genesis ST Oil Co, LLC

Bearcat #2

Lease Tohonadla		Well No. 1-E	Location sec.35-41S21E		County/State San Juan Co. Utah		Report Date 09/20/2010
Current Operation Drlg		Total Depth 2,969		Footage 1,217	Hours 22.25	Days Since Spud 4	Cum Rot Hrs. 54
Time Summary		Hrs.	Bit Record		Mud Record		Drlg Assembly
Drlg.	22.25	Bit No.	2		Weight	H2o Drlg	Collars 611.57
Drlg Cement		Size	7 7/8		Visc (Sec)		Motor 29.33
Circulating		Mfg.	Reed		W.L.-CC's		XO hwdt121.97
Rig Serv.	0.75	Type	e406-b7		FC 32's		WOB 10x25
Trips	1.00	Serial No	177061		pH		RPM (Top/Bit) 50/120
Surveys		In	1,427		Solids %		
Cmtg.		Out			Gels		
Run Csg.		Ftg	1,542		PV		
NU BOP's		Hrs.	29.75		YP		
Pressure testing		Rate(ft/hr)	51.9		SS		
Rig Rprs		Jets	6x16		CA		
MIRU		TBG			CL		
COST DETAIL		DAILY		CUMULATIVE		COST DETAIL	
DAILY		CUMULATIVE		DAILY		CUMULATIVE	
Loc & Roads		\$33,099		Anchors		\$5,775	
Rig Cost	\$11,850	\$59,250		Cement		\$34,512	
Bits		\$7,000		Welder		\$1,550	
Mud	\$528	\$5,056		Surf Rental Equip	\$600	\$3,000	
Water		\$9,140		Fuel		\$9,649	
Supervision	\$750	\$10,500		Trucking		\$2,364	
Geological/Mud Logger				Logging			
Conductor, Rat & Mouse				Test BOPs		\$2,343	
Casing & Pipe		\$33,523		Wellhead (Misc)		\$2,180	
Motor	\$2,530	\$8,700		TOTAL COST	\$16,258	\$227,641	
DETAILS:							
6:00AM-8:15AM (2.25) Drlg.							
8:15AM-8:45AM (.5) Rig Serv.							
8:45AM-9:15AM (.5) Drlg.							
9:15AM-9:30AM (.25) Survey .75 degr. @ 1,869'.							
9:30AM-9:00PM (11.5) Drlg..							
7:15PM-7:45PM (.5) GIH. Tag cement @ 1,387'.							
7:45PM-9:00PM (1.25) Drlg cement to 1,417'.							
9:00PM-9:30PM (.5) Survey 1.75 degr. @ 2,469'.							
9:30PM-12:15AM (2.75) Drlg.							
12:15AM-12:30AM (.25) Rig serv.							
12:30AM-5:30AM (5) Drlg.							
5:30AM-5:45AM (.25) Survey 1.75 degr. @ 2,951'.							
5:15AM-6:00AM (.25) Drlg.							
Well Site Representative: Randy Shelton							

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DAILY DRILLING REPORT - Genesis ST Oil Co, LLC

Bearcat #2

Lease Tohonadla		Well No. 1-E	Location sec.35-41S21E		County/State San Juan Co. Utah		Report Date 09/19/2010
Current Operation Drlg		Total Depth 1,752		Footage 325	Hours 7.5	Days Since Spud 3	Cum Rot Hrs. 31.75
Time Summary		Hrs.	Bit Record		Mud Record		Drlg Assembly
Drlg.	7.50	Bit No.	2		Weight	H2o Drlg	Collars 611.57
Drlg Cement	1.75	Size	7 7/8		Visc (Sec)		Motor 29.33
Circulating		Mfg.	Reed		W.L.-CC's		XO hwdt121.97
Rig Serv.	0.25	Type	e406-b7		FC 32's		WOB 10x25
Trips	1.50	Serial No	177061		pH		RPM (Top/Bit) 50/120
Surveys		In	1,427		Solids %		
Cmtg.		Out			Gels		
Run Csg.		Ftg	325		PV		
NU BOP's	8.00	Hrs.	7.5		YP		PUMP DATA Liners 6
Pressure testing	5.00	Rate(ft/hr)	43.3		SS		Stroke 9
Rig Rprs		Jets	6x16		CA		SPM 114
MIRU		TBG			CL		Press(on/off btm) 875
COST DETAIL		DAILY		CUMULATIVE		COST DETAIL	
						DAILY	
						CUMULATIVE	
Loc & Roads			\$33,099		Anchors		\$5,775
Rig Cost		\$11,850	\$47,400		Cement		\$34,512
Bits			\$7,000		Welder	\$870	\$1,550
Mud		\$1,144	\$4,528		Surf Rental Equip	\$600	\$2,400
Water		\$650	\$9,140		Fuel		\$9,649
Supervision		\$750	\$9,750		Trucking		\$2,364
Geological/Mud Logger					Logging		
Conductor, Rat & Mouse					Test BOPs	\$2,343	\$2,343
Casing & Pipe			\$33,523		Wellhead (Misc)		\$2,180
Motor		\$825	\$6,170		TOTAL COST	\$19,032	\$211,383
DETAILS:							
6:00AM-2:00PM (8) weld on wellhead. NU BOP's.							
2:00PM-5:30PM (3.5) Pressure test BOP's. Test inner and outter fuel and choke line valves, choke manafold, pipe rams, blind rams, hydro, and TIW.							
5:30PM-6:30PM (1) GIH w/ DC's.							
6:30PM-7:15PM (.75) test kelly valve.							
7:15PM-7:45PM (.5) GIH. Tag cement @ 1,387'.							
7:45PM-9:00PM (1.25) Drlg cement to 1,417'.							
9:00PM-9:30PM (.5) Test csg to 1,500 Psi.							
9:30PM-10:00PM (.5) Drlg to 1,430'.							
10:00PM-10:15PM (.25) Test formation to 200 Psi.							
10:15PM-12:00AM (1.75) Drlg.							
12:00AM-12:15AM (.25) Rig service.							
12:15AM-6:00AM (5.75) Drlg.							
Well Site Representative: Randy Shelton							

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DAILY DRILLING REPORT - Genesis ST Oil Co, LLC

Bearcat #2

Lease Tohonadla		Well No. 1-E	Location sec.35-41S21E	County/State San Juan Co. Utah		Report Date 09/18/2010	
Current Operation Welding on wellhead		Total Depth 1,427		Footage 147	Hours 4	Days Since Spud 2	Cum Rot Hrs. 24.25
Time Summary		Hrs.	Bit Record		Mud Record		Drlg Assembly
Drlg.	4.00	Bit No.	1		Weight	H2o Drlg	Collars
Ream/wash		Size	12 1/4		Visc (Sec)		Motor
Circulating	2.75	Mfg.	Reed		W.L.-CC's		XO
Rig Serv.		Type	rsx619ma1g		FC 32's		WOB 10x20
Trips	4.50	Serial No	218596		pH		RPM (Top/Bit) 50/140
Surveys		In	80'		Solids %		
Cmtg.	2.25	Out	1,427'		Gels		
Run Csg.	2.25	Ftg	1,327'		PV		PUMP DATA
Welding Wellhead	2.25	Hrs.	24.25		YP		Liners 6
WOC	6.00	Rate(ft/hr)	55.6		SS		Stroke 9
Rig Rprs		Jets	6xopen		CA		SPM 95/95
MIRU		TBG			CL		Press(on/off btm) 1,800
COST DETAIL		DAILY		CUMULATIVE		COST DETAIL	
						DAILY	
						CUMULATIVE	
Loc & Roads			\$33,099		Anchors		\$5,775
Rig Cost	\$11,850		\$35,550		Cement	\$33,012	\$34,512
Bits			\$7,000		Welder		\$680
Mud	\$2,621		\$3,384		Surf Rental Equip	\$600	\$1,800
Water	\$860		\$8,490		Fuel	\$4,429	\$9,649
Supervision	\$750		\$9,000		Trucking	\$636	\$2,364
Geological/Mud Logger					Logging		
Conductor, Rat & Mouse					Test BOPs		
Casing & Pipe	\$32,323		\$33,523		Wellhead (Misc)		\$2,180
Motor	\$2,480		\$5,345		TOTAL COST	\$89,561	\$192,351
DETAILS:							
6:00AM-10:00AM (4) Drlg.							
10:00AM-11:00AM (1) Circ.							
11:00AM-1:15PM (2.25) Short trip to 8" DC.							
1:15PM-1:45PM (.5) Circ.							
1:45PM-4:00PM (2.25) POOH. Lay down 8" tools. Survey 1.75 deg.							
4:00PM-6:15PM (2.25) RU and run 35 jts. Of 8.625, J55, 24 lbs, STC.Landed casing at 1427'							
6:15PM-7:30PM (1.25) Circ. RU Haliburton.							
7:30PM-9:45PM (2.25) Cement. Pump 10 Bbls of dyed H2O. Pump lead 470 sax of prb-2-sbm.125 poly-E- slake .5 gilsonite. Weight 12.3 yield 2.36. 197.5 Bbls. Tail cement 150 sx, premium/G, .125% Poly-E Flake, 1% Calcium chloride, weight 15.8 yield 1.16. Displace w/ 89.6 Bbls. H2O. Slow rate at the end. Bumped plug 1420 Psi. Float held. Cement fell back 15' from KB.							
9:45PM-3:45AM (6) WOC.							
3:45AM-6:00AM (2.25) Cut off csg. Weld on wellhead.							
Well Site Representative: Randy Shelton							

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Bearcat #2

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Bearcat #2

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Pete Martin Drilling

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: NAVAJO NATION OIL & GAS COMPANY Operator Account Number: N 2550
Address: PO BOX 4439
city WINDOW ROCK
state AZ zip 86515 Phone Number: (303) 534-8300

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4303750005	TOHONADLA 35-P		SESE	35	41S	21E	SAN JUAN
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	17840	8/29/2010		10/28/10		
Comments: <u>LDLL</u> <u>8/12/10</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4303750006	TOHONADLA 1-E		SWNW	1	42S	21E	SAN JUAN
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	17841	8/15/2010		10/28/10		
Comments: <u>LDLL</u>							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

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OCT 25 2010

DIV. OF OIL, GAS & MINING

A. D. Zier

Name (Please Print)

A. D. Zier
Signature

Operations Engineering Mgr

Title

10/21/2010

Date

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

1/1/2011

FROM: (Old Operator): N2190-ST Oil Company 1675 Broadway, Suite 1100 Denver, CO 80202 Phone: 1 (303) 296-1908	TO: (New Operator): N3600-Genesis ST Operating, LLC 1660 Lincoln Street, Suite 2100 Denver, CO 80064 Phone: 1 (303) 296-1908
--	---

CA No.

Unit:

WELL NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
TOHONADLA 35-P	35	410S	210E	4303750005	17840	Indian	OW	P
TOHONADLA 1-E	01	420S	210E	4303750006	17841	Indian	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/19/2011
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: Designation of Agent
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/9/2011
- a. Is the new operator registered in the State of Utah: Business Number: 7073743-0161
- 5a. (R649-9-2) Waste Management Plan has been received on: Requested 4/21/2011
- 5b. Inspections of LA PA state/fee well sites complete on: n/a
- 5c. Reports current for Production/Disposition & Sundries on: OK
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 4/19/2011
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 4/19/2011
- Bond information entered in RBDMS on: n/a
- Fee/State wells attached to bond in RBDMS on: n/a
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: n/a
- Indian well(s) covered by Bond Number: RLB0006712
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number n/a
- 3b. The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 5

DESIGNATION OF AGENT OR OPERATOR

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: Navajo Tribal Tract 23
LEASE NUMBER: Tribal No. 14-20-603-270

RECEIVED

APR 19 2011

and hereby designates

DIV. OF OIL, GAS & MINING

NAME: Genesis ST Operating LLC N3600
ADDRESS: 1660 Lincoln Street, Suite 2100
city Denver state CO zip 80264

(303) 296-1908

as his (check one) agent ☒ / operator ☐, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:

(Describe acreage to which this designation is applicable. Identify each oil and gas well by API number and name. Attach additional pages as needed.)

Oil Well	API Number	Entity Number
Tohonadla 1-E	43-037-50006	17841

Bond # RLB 0006712

APPROVED 4/19/2011

Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees to promptly notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation: 01/01/2011

BY: (Name) Lauren Germinario
(Signature) Lauren Germinario
(Title) Land Manager
(Phone) (303) 534-8300

OF: (Company) Navajo Nation Oil & Gas Company
(Address) 1675 Broadway, Suite 1100
city Denver
state CO zip 80202

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:
14-20-603-270

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____
b. TYPE OF WORK: NEW WELL ☒ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER _____

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT or CA AGREEMENT NAME
n/a

8. WELL NAME and NUMBER:
Tohonadla 1-E

2. NAME OF OPERATOR:
Navajo Nation Oil & Gas Company

9. API NUMBER:
4303750006

3. ADDRESS OF OPERATOR:
P.O. Box 4439 CITY Window Rock STATE AZ ZIP 86515

PHONE NUMBER:
(303) 534-8300

10 FIELD AND POOL, OR WILDCAT
Tohonadla

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 2081' FNL 417' FWL

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH:

11. QTR/QTR, SECTION, TOWNSHIP, RANGE,
MERIDIAN:
SWNW 1 42S 21E

12. COUNTY San Juan 13. STATE UTAH

14. DATE SPUDDED: 9/16/2010 15. DATE T.D. REACHED: 9/27/2010 16. DATE COMPLETED: 3/4/2011

ABANDONED ☐ READY TO PRODUCE ☒

17. ELEVATIONS (DF, RKB, RT, GL):
4695'KB&DF,4683'GL

18. TOTAL DEPTH: MD 5,913
TVD

19. PLUG BACK T.D.: MD 5,895
TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *
2

21. DEPTH BRIDGE MD 5,080
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

✓CBL/GR, ✓APS/Sonic

23.
WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)
WAS DST RUN? NO ☒ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☒ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12 1/4"	8 5/8 J-55	24	0	1,427		prb 470		15' KB	
						G 150			
7 7/8"	5 1/2 J-55	17	0	5,913	4,882	G 200		1480' KB	
						Light 956			
						G 50			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	4,887	4,887						

26. PRODUCING INTERVALS ISMY

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) see attached				
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
see attached	

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER: _____

30. WELL STATUS:

RECEIVED

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 3/4/2011		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

vented

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Upper Ismay	4,934	4,970			
Lower Ismay	5,022	5,060			
U. Desert Creek	5,108	5,126			
Akah	5,470	5,478			
U. Barker Creek	5,532	5,540			
M. Barker Creek	5,570	5,658			
Pinkerton Trail	5,714	5,722			
L. Barker Creek	5,753	5,758			

35. ADDITIONAL REMARKS (Include plugging procedure)

3/17/2011: 130 BO, 3 BW, 235 psi tubing, 12/64" AC, 24 hrs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) A. D. ZierTITLE Ops/Eng ManagerSIGNATURE [Signature]DATE 3-24-11

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

Tohonadla 1-E Testing Results

Spud: 16 Sep 2010	Rig Release: 1 Oct 2010
Completion Start: 13 Dec 2010	Final Report: 4 Mar 2011 On Production: 4 Mar 2011
KB: 4695 ft	GL: 4683 ft

Perforated Zone	Stimulation	Date	Daily swab results				Fluid Level	Swab runs	SBHP Results (+/-72 hrs)				Comments
			SITP (psi)	BO	BSW	BLW			Depth (ft)	Pressure (psi)	P extrapolated	Gradient (psi/ft)	
5753' - 5758' L. Barker Creek	1000 gal. 15% HCl @ 1.5 bpm & 3000 psi w/bio balls, good ball action	12/14/2010	0	40		7	800'-NR	14	5688	1860	2250	0.304	prior to acid job
		12/15/2010	250	50		35	1500'-NR	17					oil & FL prior to acid job
		12/16/2010	125	43		20	1800'-NR	5?					swab & flow 6-8 BO/hr
		12/17/2010	100	38			2220'-5663'	5					Run pressure gauges
		12/20/2010	NR	82			NR	7					7 BLW LTR, pull gauges
		12/21/2010	60	36			2800'-NR	3					swab & flow 6 hrs
Total				289	0								
5714' - 5722' Pinkerton Trail	1000 gal. 15% HCl @ 1.5 bpm & 3601 psi	12/23/2010	140	27		37	NR	12	5631	1740	1800	0.342	5 swab runs, 21 BO prior to acid
		12/24/2010											Flow well, Run pressure gauges
		12/27/2010	200	72									Pull gauges, Flow well 7 hrs, no pressures
		12/28/2010	220	55									
Total				154	0								
5652' - 5658' M. Barker Creek	1000 gal. 15% HCl @ 2.3 bpm & 3100 psi w/bio balls	1/3/2011						1	5576	1696	1820	0.319	no fluid entry prior to acid job
		1/4/2011	0	30		68	0'-NR	11					11th run 100% oil, 15 BLW left to recover
		1/5/2011	400	93			NR	4					
		1/6/2011	320	80			1800'-NR	6					
		1/7/2011	375	35									Flow 2 hrs, run gauges
		1/10/2011	350										pull gauges
Total				238	0								
5636' - 5642' 5618' - 5624' 5606' - 5612' M. Barker Creek	1500 gal. 15% HCl @ 2.15 bpm & 2100 psi w/144 bio balls	1/12/2011		30		67	NR	9	5518	1626	1700	0.32	90% oil by 9th run
		1/13/2011	400	116			NR	6					swab & flow
		1/14/2011	400	35									flowed 2 hrs, run pressure gauges
		1/17/2011	400										pull pressure gauges
Total				181									
5570' - 5578' M. Barker Creek		1/18/2011		20		25	NR	3	5486	1618	1780	0.333	started flowing after 3 swab runs
		1/19/2011	350	122									flowed 9 hrs
		1/20/2011	350	127									flowed 9 hrs
		1/21/2011	350	24									flow 2 hrs, run pressure gauges
		1/24/2011	300										pull pressure gauges
Total				293	0								
5532' - 5540' U. Barker Creek	1000 gal. 15% HCl @ 1.7 bpm & 3200 psi w/bio balls	1/25/2011	0	68		70	NR	8	5455	1630		0.338	100% oil on last run, 20.5 BLW LTR
		1/26/2011	310	150			NR	7					Flowed & swabbed 9 hrs
		1/27/2011	290	70			NR	1					Flow & swab 6 hrs, run pressure gauges
		1/31/2011											pull pressure gauges
Total				288	0								
5470' - 5478' Akah	1000 gal. 15% HCl @ 1.1 bpm & 3300 psi	2/1/2011				40		4					Swabbed dry, no fluid entry
5216' - 5226' M. Desert Creek	1000 gal. 15% HCl @ 1.5 bpm & 3900 psi	2/2/2011		3		30	NR	7					last 2 runs 100% oil
		2/3/2011	300	120		30	NR	6					After 4th run started flowing 100% oil
		2/4/2011	350	96									Flow 6 hrs, run pressure gauges
		2/7/2011				24							Pull gauges, BP failed pressure test
		2/8/2011				1.5							swabbed dry
Total				219	0	85.5							
5108' - 5115' 5119' - 5126' U. Desert Creek	1000 gal. 15% HCl @ 3.1 bpm & 4145 psi w/bio balls	2/10/2011		7		48	NR	7	5042	756			swab f/seating nipple
		2/11/2011	350	18		5	NR	9					make hourly runs f/seating nipple
		2/14/2011	350	17		5	NR	9					swab down in 3 runs, make hourly runs
		2/15/2011	250				NR	3					run pressure gauges
		2/17/2011	300										pull pressure gauges
Total				42									
5022' - 5028' 5035' - 5060' Lower Ismay	1500 gal. 15% HCl @ 2 bpm & 2800 psi w/bio balls, max rate 4.7 bpm, ISIP 1000 psi, 3 min SIP vacuum	2/21/2011		187		42	NR	6	4987	1594			swab 1.5 hrs, flow 3.5 hrs
		2/22/2011	600	491									Flow 8 hrs, FTP 100 psi
		2/23/2011	550	62									Flow 2 hrs, run pressure gauges
		2/25/2011											Pull pressure gauges
Total				740									
4960' - 4970' 4934' - 4942' Upper Ismay	1500 gal. 15% HCl @ 2 bpm & 3190 psi w/bio balls, ISIP 2580 psi, 15 min 2420 psi	2/28/2011		8		25	NR	6					swab to SN, 6 hrs, recover 1 BO per hour
		3/1/2011	600	10		42	NR	7					
		3/2/2011	60	6			4680' - NR						swab 8 hrs, starting FL 200' above SN
Total				24									

* 2nd Acid job w/diversion

NR - Not reported, SFL - starting fluid level, LTR - left to recover

RBP at 5080' R3 Production packer @ 4887'

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-270
2. NAME OF OPERATOR: Navajo Nation Oil & Gas Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo
3. ADDRESS OF OPERATOR: P.O. Box 4439 CITY Window Rock STATE AZ ZIP 86515		7. UNIT or CA AGREEMENT NAME: n/a
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2081' FNL 417' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 1 42 41S 21E		8. WELL NAME and NUMBER: Tohonadla 1-E
PHONE NUMBER: (303) 534-8300		9. API NUMBER: 4303750006
		10. FIELD AND POOL, OR WILDCAT: Tohonadla
		COUNTY: San Juan
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input checked="" type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Date of first production 3/4/2011

Producing from the Lower Ismay formation.

Production test 3/17/2011: 130 BO, 3 BW, 235 psi tubing, 12/64" AC, 24 hrs

NAME (PLEASE PRINT) <u>A. D. Zier</u>	TITLE <u>Ops/Eng Manager</u>
SIGNATURE <u>[Signature]</u>	DATE <u>3-24-11</u>

(This space for State use only)

RECEIVED

APR 07 2011

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 7

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well name and number: Tohonadla 1-E

API number: 4303750006

Well Location: QQ SENW Section 1 Township 42S Range 21W County San Juan

Well operator: Navajo Nation Oil & Gas Company

Address: P.O. Box 4439

city Window Rock state AZ zip 86515

Phone: (303) 534-8300

Drilling contractor: Bearcat Drilling

Address: P.O. Box 717

city Farmington state NM zip 87499

Phone: (505) 327-5218

Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
			no water encountered

Formation tops:
(Top to Bottom)

1	2	3
4	5	6
7	8	9
10	11	12

RECEIVED

If an analysis has been made of the water encountered, please attach a copy of the report to this form. **APR 07 2011**

DIV. OF OIL, GAS & MINING

I hereby certify that this report is true and complete to the best of my knowledge.

NAME (PLEASE PRINT) A. D. Zier

TITLE Ops/Eng Manager

SIGNATURE [Signature]

DATE 3-24-11

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: Genesis ST Operating LLC Operator Account Number: N 3600
Address: 1660 Lincoln Street, Suite 2100
city Denver
state CO zip 80264 Phone Number: (303) 296-1908

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4303750005	Tohonadla 35-P		SESE	35	41S	21E	SAN JUAN
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
C	17840	11202	8/12/2010		1/1/2011		
Comments: CHANGE TO MAKE ALL WELLS ON LEASE USE SAME ENTITY NUMBER <u>PRDX</u> <u>4/25/11</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4303750006	Tohonadla 1-E		SWNW	1	<u>41S</u>	21E	SAN JUAN
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
C	17841	06230	8/15/2010		1/1/2011		
Comments: CHANGE TO MAKE BOTH WELLS ON LEASE USE SAME ENTITY NUMBER <u>ISmy</u> <u>4/25/11</u>							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RICHARD A. FERRIS

Name (Please Print)

Richard A Ferris

Signature

CHIEF OPERATIONS ENGINE 4/19/2011

Title

Date

RECEIVED
APR 25 2011

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

1/1/2012

FROM: (Old Operator):

N3600A-Genesis ST Operating LLC
 1660 Lincoln Street Ste 2100
 Denver CO 80264

Phone: 1 (303) 296-1908

TO: (New Operator):

N2550-Navajo Nation Oil & Gas CO Inc
 1675 Broadway Ste 1100
 Denver CO 80202

Phone: 1 (928) 871-4880

CA No.

Unit:

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List (8 wells)								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 2/22/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 2/22/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/29/2012
- a. Is the new operator registered in the State of Utah: Business Number: 7407010-0147
- a. (R649-9-2) Waste Management Plan has been received on: Requested
- b. Inspections of LA PA state/fee well sites complete on: N/A
- c. Reports current for Production/Disposition & Sundries on: 2/29/2012
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA Not Yet
- Federal and Indian Units:**
 The BLM or BIA has approved the successor of unit operator for wells listed on: Not Yet
- Federal and Indian Communization Agreements ("CA"):**
 The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 2/29/2012
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/29/2012
- Bond information entered in RBDMS on: N/A
- Fee/State wells attached to bond in RBDMS on: N/A
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: N/A
- Indian well(s) covered by Bond Number: RLB0006712
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number N/A
- b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS: Designation of Agent return operations back to owner.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 5

DESIGNATION OF AGENT OR OPERATOR

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: Tribal Tract 23
LEASE NUMBER: Tribal No. 14-20-603-270

RECEIVED
FEB 22 2012
DIV. OF OIL, GAS & MINING

and hereby designates

NAME: Navajo Nation Oil & Gas CO., Inc.
ADDRESS: 1675 Broadway, Suite 1100
city Denver state CO zip 80202

as his (check one) agent ☐ / operator ☒, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:

(Describe acreage to which this designation is applicable. Identify each oil and gas well by API number and name. Attach additional pages as needed.)

Oil Well	API Number	Entity Number
Navajo Tr 23 -1	43-037-15540	6230
Tohonadla 1-E	43-037-50006	6230

Bond = RLB 00067.12

It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees to promptly notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation: 01/01/2012

BY: (Name) Sallie S. Tippie
(Signature) Sallie S. Tippie
(Title) Managing Partner
(Phone) (303) 296-1908

OF: (Company) Genesis ST Operating LLC
(Address) 1660 Lincoln Street, Suite 2100
city Denver
state CO zip 80264

APPROVED 2/29/2012
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING

CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

8/1/2010

FROM: (Old Operator): N2550- Navajo Oil & Gas Cp. 1625 Broadway, Suite 1100 Denver, CO 80202 Phone: 1 (303) 534-8300	TO: (New Operator): N3930- NNOGC Exploration & Production, LLC 1625 Broadway, Suite 1000 Denver, CO 80202 Phone: 1 (303)534-8300
---	--

CA No.				Unit:	N/A			
WELL NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/19/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/19/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 12/31/2012
- 4a. Is the new operator registered in the State of Utah: _____ Business Number: 8399948-0165
- 5a. (R649-9-2)Waste Management Plan has been received on: Not Yet
- 5b. Inspections of LA PA state/fee well sites complete on: 12/31/2102
- 5c. Reports current for Production/Disposition & Sundries on: 12/31/2012
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA 8/1/2012
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 8/1/2010
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 12/31/2102
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 12/31/2012
- Bond information entered in RBDMS on: 12/31/2012
- Fee/State wells attached to bond in RBDMS on: 12/31/2012
- Injection Projects to new operator in RBDMS on: 12/31/2012
- Receipt of Acceptance of Drilling Procedures for APD/New on: 12/31/2012

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: N/A
- Indian well(s) covered by Bond Number: RLB0006712
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number N/A
- 3b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

Navajo Nations Oil Gas Co. (N2550) to NNOGC Exploration Production, LLC (N3930)
Effective 8/1/2012

Well Name	Sec	TWP	RNG	API	Entity	Lease	Well Type	Well Status
TOHONADLA 26-OSCAR	26	410S	210E	4303750022		Indian	OW	APD
TOHONADLA 35-F	35	410S	210E	4303750024		Indian	OW	APD
TOHONADLA 2-G	02	420S	210E	4303750027		Indian	OW	APD
TOHONADLA 2-B	02	420S	210E	4303750028		Indian	OW	APD
TOHONADLA 1-C	01	420S	210E	4303750029		Indian	OW	APD
TOHONADLA 2-BRAVO	02	420S	210E	4303750030		Indian	OW	APD
TOHONADLA 1-F	01	420S	210E	4303750031		Indian	OW	APD
TOHONADLA 2-H	02	420S	210E	4303750032		Indian	OW	APD
TOHONADLA 1-Delta	01	420S	210E	4303750033		Indian	OW	APD
TOHONADLA 35-INDIGO	35	410S	210E	4303750034		Indian	OW	APD
TOHONADLA 35-J	35	410S	210E	4303750035		Indian	OW	APD
UTE CANYON 25G-O	25	410S	210E	4303731913	18823	Indian	OW	DRL
TOHONADLA 35-B	35	410S	210E	4303750023	18824	Indian	OW	DRL
UTE CYN 23-INDIGO	23	410S	210E	4303731880		Indian	OW	LA
TOHONADLA 35-P	35	410S	210E	4303731886		Indian	OW	LA
TOHONADLA 1-E	01	420S	210E	4303731887		Indian	OW	LA
TOHONADLA 1-D	01	420S	210E	4303731888		Indian	OW	LA
TOHONADLA 26-O	26	410S	210E	4303731896		Indian	OW	LA
UTE CYN 23-INDIGO	23	410S	210E	4303731911		Indian	OW	LA
NAVAJO TR 23-1	02	420S	210E	4303715540	6230	Indian	OW	P
DESERT CREEK 2	35	410S	230E	4303715868	6270	Indian	OW	P
TOHONADLA 1	35	410S	210E	4303715872	11202	Indian	OW	P
TOHONADLA 23-35	35	410S	210E	4303715874	11202	Indian	OW	P
NAVAJO TRIBAL 23-13	13	400S	240E	4303730971	9420	Indian	OW	P
NAVAJO TRIBAL 14-10	10	400S	240E	4303730977	10130	Indian	OW	P
SAHGZIE 1	05	420S	240E	4303731472	11032	Indian	OW	P
ANASAZI 1	05	420S	240E	4303731478	11042	Indian	OW	P
CAJON MESA 8D-1	08	400S	250E	4303731497	11074	Indian	OW	P
MONUMENT 8N-2	08	400S	250E	4303731509	11087	Indian	OW	P
RUNWAY 10G-1	10	400S	250E	4303731515	11105	Indian	OW	P
LONE MOUNTAIN CREEK 12F-1	12	420S	240E	4303731545	11148	Indian	OW	P
RUNWAY 10E-2	10	400S	250E	4303731550	11128	Indian	GW	P
BLUE HOGAN 1J-1	01	420S	230E	4303731562	11161	Indian	OW	P
TOHONADLA 2-35	35	410S	210E	4303731568	11202	Indian	OW	P
ANASAZI 5L-3	05	420S	240E	4303731572	11207	Indian	OW	P
BROWN HOGAN 1A-2	01	420S	230E	4303731573	11215	Indian	OW	P
MULE 31K (N)	31	410S	240E	4303731617	11326	Indian	OW	P
BURRO 31I	31	410S	240E	4303731708	11496	Indian	OW	P
MULE 31M	31	410S	240E	4303731710	11498	Indian	OW	P
ANASAZI 6H-1	06	420S	240E	4303731744	11773	Indian	OW	P
TOHONADLA 35-P	35	410S	210E	4303750005	11202	Indian	OW	P
TOHONADLA 1-E	01	420S	210E	4303750006	6230	Indian	OW	P
NAVAJO TRIBAL 41-2	02	420S	240E	4303731041	9437	Indian	OW	PA
MONUMENT 17E-2	17	400S	250E	4303731547	11139	Indian	OW	S
RUNWAY 10C-5A	10	400S	250E	4303731597	11152	Indian	OW	S
UTE CYN 23-P	23	410S	210E	4303731881	17282	Indian	OW	S

NAVAJO NATION OIL & GAS COMPANY

EXPLORATION & PRODUCTION LLC

1675 Broadway, Suite 1100 • Denver, Colorado • 80202

Telephone (303) 534-8300 • FAX (303) 534-1405



September 18, 2012

Utah Division of Oil, Gas and Mining
c/o Rachel Medina
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

RECEIVED
SEP 19 2012
DIV. OF OIL, GAS & MINING

RE: Change of Operator Name and Address for Wells

Dear Rachel,

I am including with this letter several original FORM 9 to change the operator on wells. This probably will be done in two steps.

1. (16 wells) Change of Operator from RIM Southwest Corporation to Navajo Nation Oil & Gas Co.
2. (Same 16 wells) Change of Operator from Navajo Nation Oil & Gas Co. to NNOGC Exploration and Production, LLC.

We have recently registered our LLC with the State of Utah. The Utah Entity Number for NNOGC Exploration and Production, LLC is: 8399948-0165. Also, a new DOGM No. has been applied for for the LLC.

The name and address change is as follows:

OLD: Navajo Nation Oil & Gas Co.
1675 Broadway, Suite 1100
Denver, CO 80202
(DOGM Operator No. N2550)

NEW: NNOGC Exploration and Production, LLC
1625 Broadway, Suite 1000
Denver, CO 80202

Should you require any additional information please contact me at 303-534-8300.

Sincerely,

Katie Hynes
Associate Landman

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER _____

2. NAME OF OPERATOR:
Navajo Nation Oil & Gas Co.

3. ADDRESS OF OPERATOR:
1675 Broadway, Suite 1100 CITY Denver STATE CO ZIP 80202

PHONE NUMBER:
(303) 534-8300

4. LOCATION OF WELL
FOOTAGES AT SURFACE: See Attached List

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

5. LEASE DESIGNATION AND SERIAL NUMBER:
See Attached

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Navajo Nation

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:
See Attached

9. API NUMBER:
Various

10. FIELD AND POOL, OR WILDCAT:
Various

COUNTY: San Juan

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The Navajo Nation Oil and Gas Co. has registered its new entity with the State of Utah. The Operator Name and Address change applies to all wells currently operated by DOGM No. N2550 (see attachment).

The Utah Entity Number for the LLC is: 8399948-0165.

The new Entity is:

NNOGC Exploration and Production, LLC
1625 Broadway, Suite 1000
Denver, CO 80202

NEW DOGM No.: 3930

Bond No. RLB0006712

Effective: July 10, 2010

NAME (PLEASE PRINT) Lauren Germinario

TITLE Land Manager

SIGNATURE

APPROVED

9/14/12

(This space for State use only)

DEC 31 2012

RECEIVED

DIV. OIL GAS & MINING
BY: Rachel Medina

SEP 17 2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached
2. NAME OF OPERATOR: Navajo Nation Oil & Gas Co		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Nation
3. ADDRESS OF OPERATOR: P.O. Box 5069 CITY Window Rock STATE AZ ZIP 86515		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (303) 534-8300		8. WELL NAME and NUMBER: See Attached
4. LOCATION OF WELL FOOTAGES AT SURFACE:		9. API NUMBER: Various
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT: Various
		COUNTY: San Juan
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input checked="" type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: _____
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The Navajo Nation Oil & Gas Co. has registered its new entity with the State of Utah. The name and address change applies to all the wells that have recently changed from RIM Southwest Corporation to Navajo Nation Oil & Gas Co. (DOGM No. N2550)

The Utah Entity Number for the LLC is: 8399948-0165

Note: A new DOGM No. has been applied for NNOGC Exploration and Production, LLC

Please see the attached list of wells that will now be operated by:

NNOGC Exploration and Production, LLC
1625 Broadway, Suite 1000
Denver, CO 80202

All of these wells are covered by Bond No. RLB0006712

Effective: Aug 1, 2012

NAME (PLEASE PRINT) Lauren Germinario	TITLE Land Manager
SIGNATURE <i>Lauren Germinario</i>	DATE 9/18/2012

(This space for State use only) **APPROVED**

DEC 31 2012

DIV. OIL GAS & MINING

BY: *Rachael Medina*

(See Instructions on Reverse Side)

RECEIVED
SEP 19 2012
DIV. OF OIL GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-270
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo
2. NAME OF OPERATOR: Navajo Nation Oil & Gas Company		7. UNIT or CA AGREEMENT NAME: n/a
3. ADDRESS OF OPERATOR: P.O. Box 4439 CITY Window Rock STATE AZ ZIP 86515		8. WELL NAME and NUMBER: Tohonadla 1-E
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2081' FNL 417' FWL AT TOP PRODUCING INTERVAL REPORTED BELOW: AT TOTAL DEPTH:		9. API NUMBER: 4303750006
		10. FIELD AND POOL, OR WILDCAT: Tohonadla
		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 1 42S 21E
		12. COUNTY: San Juan 13. STATE: UTAH

14. DATE SPULLED: 9/16/2010	15. DATE T.D. REACHED: 9/27/2010	16. DATE COMPLETED: 3/4/2011	ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL): 4695'KB&DF, 4683'GL
18. TOTAL DEPTH: MD 5,913 TVD	19. PLUG BACK T.D.: MD 5,895 TVD	20. IF MULTIPLE COMPLETIONS, HOW MANY? * 2	21. DEPTH BRIDGE MD 5,080 PLUG SET: TVD	

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) ✓CBL/GR, ✓APS/Sonic	23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)
---	---

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12 1/4"	8 5/8 J-55	24	0	1,427		prb 470		15' KB	
						G 150			
7 7/8"	5 1/2 J-55	17	0	5,913	4,882	G 200		1480' KB	
						Light 956			
						G 50			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	4,887	4,887						

26. PRODUCING INTERVALS ISMV					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A) see attached								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
see attached	

29. ENCLOSED ATTACHMENTS:	30. WELL STATUS:
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION <input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> CORE ANALYSIS <input type="checkbox"/> DST REPORT <input type="checkbox"/> OTHER: _____ <input type="checkbox"/> DIRECTIONAL SURVEY	RECEIVED

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 3/4/2011		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU ~ GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

vented

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Upper Ismay	4,934	4,970			
Lower Ismay	5,022	5,060			
U. Desert Creek	5,108	5,126			
Akah	5,470	5,478			
U. Barker Creek	5,532	5,540			
M. Barker Creek	5,570	5,658			
Pinkerton Trail	5,714	5,722			
L. Barker Creek	5,753	5,758			

35. ADDITIONAL REMARKS (Include plugging procedure)

3/17/2011: 130 BO, 3 BW, 235 psi tubing, 12/64" AC, 24 hrs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) A. D. ZierTITLE Ops/Eng ManagerSIGNATURE [Signature]DATE 3-24-11

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

Tohonadla 1-E Testing Results

Spud: 16 Sep 2010	Rig Release: 1 Oct 2010
Completion Start: 13 Dec 2010	Final Report: 4 Mar 2011
KB: 4695 ft	On Production: 4 Mar 2011
GL: 4683 ft	

		GL: 4685 ft		Daily swab results							SBHP Results (+/-72 hrs)				
Perforated Zone	Stimulation	Date	SITP (psi)	BO	BSW	BLW	Fluid Level	Swab runs	Depth (ft)	Pressure (psi)	P extrapolated	Gradient (psi/ft)	Comments		
5753' - 5758' L. Barker Creek	1000 gal. 15% HCl @ 1.5 bpm & 3000 psi w/bio balls, good ball action	12/14/2010	0	40			7 800'-NR	14	5688	1860	2250	0.304	prior to acid job		
		12/15/2010	250	50		35	1500'-NR	17					oil & FL prior to acid job		
		12/16/2010	125	43		20	1800'-NR	5?					swab & flow 6-8 BO/hr		
		12/17/2010	100	38			2220'-5663'	5					Run pressure gauges		
		12/20/2010	NR	82			NR	7					7 BLW LTR, pull gauges		
		12/21/2010	60	36			2800'-NR	3					swab & flow 6 hrs		
Total				289	0										
5714' - 5722' Pinkerton Trail	1000 gal. 15% HCl @ 1.5 bpm & 3601 psi	12/23/2010	140	27		37	NR	12	5631	1740	1800	0.342	5 swab runs, 21 BO prior to acid		
		12/24/2010											Flow well, Run pressure gauges		
		12/27/2010	200	72									Pull gauges, Flow well 7 hrs, no pressures		
		12/28/2010	220	55											
Total				154	0										
5652' - 5658' M. Barker Creek	1000 gal. 15% HCl @ 2.3 bpm & 3100 psi w/bio balls	1/3/2011						1	5576	1696	1820	0.319	no fluid entry prior to acid job		
		1/4/2011	0	30		68	0'-NR	11					11th run 100% oil, 15 BLW left to recover		
		1/5/2011	400	93			NR	4							
		1/6/2011	320	80			1800'-NR	6							
		1/7/2011	375	35									Flow 2 hrs, run gauges		
		1/10/2011	350										pull gauges		
Total				238	0										
5636' - 5642' 5618' - 5624' 5606' - 5612' M. Barker Creek	1500 gal. 15% HCl @ 2.15 bpm & 2100 psi w/144 bio balls	1/12/2011		30		67	NR	9	5518	1626	1700	0.32	90% oil by 9th run		
		1/13/2011	400	116			NR	6					swab & flow		
		1/14/2011	400	35									flowed 2 hrs, run pressure gauges		
		1/17/2011	400										pull pressure gauges		
Total				181											
5570' - 5578' M. Barker Creek		1/18/2011		20		25	NR	3	5486	1618	1780	0.333	started flowing after 3 swab runs		
		1/19/2011	350	122									flowed 9 hrs		
		1/20/2011	350	127									flowed 9 hrs		
		1/21/2011	350	24									flow 2 hrs, run pressure gauges		
		1/24/2011	300										pull pressure gauges		
Total				293	0										
5532' - 5540' U. Barker Creek	1000 gal. 15% HCl @ 1.7 bpm & 3200 psi w/bio balls	1/25/2011	0	68		70	NR	8	5455	1630		0.338	100% oil on last run, 20.5 BLW LTR		
		1/26/2011	310	150			NR	7					Flowed & swabbed 9 hrs		
		1/27/2011	290	70			NR	1					Flow & swab 6 hrs, run pressure gauges		
		1/31/2011											pull pressure gauges		
Total				288	0										
5470' - 5478' Akah	1000 gal. 15% HCl @ 1.1 bpm & 3300 psi	2/1/2011				40		4					Swabbed dry, no fluid entry		
5216' - 5226' M. Desert Creek	1000 gal. 15% HCl @ 1.5 bpm & 3900 psi	2/2/2011		3		30	NR	7					last 2 runs 100% oil		
		2/3/2011	300	120		30	NR	6					After 4th run started flowing 100% oil		
		2/4/2011	350	96									Flow 6 hrs, run pressure gauges		
		2/7/2011				24							Pull gauges, BP failed pressure test		
		2/8/2011				1.5							swabbed dry		
Total				219	0	85.5									
5108' - 5115' 5119' - 5126' U. Desert Creek	1000 gal. 15% HCl @ 3.1 bpm & 4145 psi w/bio balls	2/10/2011		7		48	NR	7	5042	756			swab f/seating nipple		
		2/11/2011	350	18		5	NR	9					make hourly runs f/seating nipple		
		2/14/2011	350	17		5	NR	9					swab down in 3 runs, make hourly runs		
		2/15/2011	250				NR	3					run pressure gauges		
		2/17/2011	300										pull pressure gauges		
Total				42											
5022' - 5028' 5035' - 5060' Lower Ismay	1500 gal. 15% HCl @ 2 bpm & 2800 psi w/bio balls, max rate 4.7 bpm, ISIP 1000 psi, 3 min SIP vacuum	2/21/2011		187		42	NR	6	4987	1594			swab 1.5 hrs, flow 3.5 hrs		
		2/22/2011	600	491									Flow 8 hrs, FTP 100 psi		
		2/23/2011	550	62									Flow 2 hrs, run pressure gauges		
		2/25/2011											Pull pressure gauges		
Total				740											
4960' - 4970' 4934' - 4942' Upper Ismay	1500 gal. 15% HCl @ 2 bpm & 3190 psi w/bio balls, ISIP 2580 psi, 15 min 2420 psi	2/28/2011		8		25	NR	6					swab to SN, 6 hrs, recover 1 BO per hour		
		3/1/2011	600	10		42	NR	7							
		3/2/2011	60	6			4680' - NR						swab 8 hrs, starting FL 200' above SN		
Total				24											

* 2nd Acid job w/diversion

NR - Not reported, SFL - starting fluid level, LTR - left to recover

RBP at 5080' R3 Production packer @ 4887'

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-270
2. NAME OF OPERATOR: Navajo Nation Oil & Gas Company	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo
3. ADDRESS OF OPERATOR: P.O. Box 4439 CITY Window Rock STATE AZ ZIP 86515	7. UNIT or CA AGREEMENT NAME: n/a
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2081' FNL 417' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 1 42 41S 21E	8. WELL NAME and NUMBER: Tohonadla 1-E
	9. API NUMBER: 4303750006
	10. FIELD AND POOL, OR WILDCAT: Tohonadla
	COUNTY: San Juan STATE: UTAH

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input checked="" type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Date of first production 3/4/2011

Producing from the Lower Ismay formation.

Production test 3/17/2011: 130 BO, 3 BW, 235 psi tubing, 12/64" AC, 24 hrs

NAME (PLEASE PRINT)

A. D. Zier

TITLE

Ops/Eng Manager

SIGNATURE

A. D. Zier

DATE

3-24-11

(This space for State use only)

RECEIVED

APR 07 2011

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 7

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well name and number: Tohonadla 1-E

API number: 4303750006

Well Location: QQ SENW Section 1 Township 42S Range 21W County San Juan

Well operator: Navajo Nation Oil & Gas Company

Address: P.O. Box 4439

city Window Rock state AZ zip 86515

Phone: (303) 534-8300

Drilling contractor: Bearcat Drilling

Address: P.O. Box 717

city Farmington state NM zip 87499

Phone: (505) 327-5218

Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
			no water encountered

Formation tops:
(Top to Bottom)

1	2	3
4	5	6
7	8	9
10	11	12

RECEIVED

If an analysis has been made of the water encountered, please attach a copy of the report to this form. APR 07 2011

DIV OF OIL, GAS & MINING

I hereby certify that this report is true and complete to the best of my knowledge.

NAME (PLEASE PRINT)

A. D. Zier

TITLE

Ops/Eng Manager

SIGNATURE

[Signature]

DATE

3-24-11

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: NAVAJO NATION OIL & GAS COMPANY Operator Account Number: N 2550
Address: PO BOX 4439
city WINDOW ROCK
state AZ zip 86515 Phone Number: (303) 534-8300

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4303750005	TOHONADLA 35-P		SESE	35	41S	21E	SAN JUAN
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	17840	8/29/2010		10/28/10		
Comments: <u>LDLL</u> <u>8/12/10</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4303750006	TOHONADLA 1-E		SWNW	1	42S	21E	SAN JUAN
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	17841	8/15/2010		10/28/10		
Comments: <u>LDLL</u>							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED
OCT 25 2010

DIV. OF OIL, GAS & MINING

A. D. Zier

Name (Please Print)

A. D. Zier
Signature

Operations Engineering Mgr

Title

10/21/2010

Date

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: Genesis ST Operating LLC Operator Account Number: N 3600
Address: 1660 Lincoln Street, Suite 2100
city Denver
state CO zip 80264 Phone Number: (303) 296-1908

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4303750005	Tohonadla 35-P		SESE	35	41S	21E	SAN JUAN
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
C	17840	11202	8/12/2010		1/1/2011		
Comments: CHANGE TO MAKE ALL WELLS ON LEASE USE SAME ENTITY NUMBER <u>PRDX</u> <u>4/25/11</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4303750006	Tohonadla 1-E		SWNW	1	<u>41S</u>	21E	SAN JUAN
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
C	17841	06230	8/15/2010		1/1/2011		
Comments: CHANGE TO MAKE BOTH WELLS ON LEASE USE SAME ENTITY NUMBER <u>ISmy</u> <u>4/25/11</u>							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RICHARD A. FERRIS

Name (Please Print)

Richard A Ferris
Signature

CHIEF OPERATIONS ENGINE 4/19/2011

Title

Date

RECEIVED
APR 25 2011

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

Carol Daniels - Wolverine State 20-5 Update

T 935 R01W 5-20 43-041-50006

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 10/19/2011 7:04 AM
Subject: Wolverine State 20-5 Update

10/19/2011 7:02 AM

Wash and ream at 10860'.

Tom Zupan
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Wolverine State 20-5, AFE 246
Rig (970) 361-3276
Cell (970) 314-8219 (no reception on this location)
H2S Green Flag location
Have a current H2S card and be clean shaven.

wolvexpl@drillmail.net

RECEIVED

OCT 19 2011

DIV. OF OIL, GAS & MINING

Carol Daniels - Wolverine State 20-5 Update

T 235 R01W 9-20 43-041-50006

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 10/20/2011 6:57 AM
Subject: Wolverine State 20-5 Update

10/20/2011 6:54 AM

Prep to make wiper trip from 12716'.

Tom Zupan
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Wolverine State 20-5, AFE 246
Rig (970) 361-3276
Cell (970) 314-8219 (no reception on this location)
H2S Green Flag location
Have a current H2S card and be clean shaven.

wolvexpl@drillmail.net

RECEIVED

OCT 20 2011

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9																														
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-270																														
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO																														
2. NAME OF OPERATOR: NNOGC EXPLORATION & PRODUCTION, LLC		7. UNIT or CA AGREEMENT NAME:																														
3. ADDRESS OF OPERATOR: 1625 Broadway, Suite 1000 , Denver , CO, 80202		8. WELL NAME and NUMBER: TOHONADLA 1-E																														
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2081 FNL 0417 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 01 Township: 42.0S Range: 21.0E Meridian: S		9. API NUMBER: 43037500060000																														
10. FIELD and POOL or WILDCAT: TOHONADLA		9. FIELD and POOL or WILDCAT: TOHONADLA																														
COUNTY: SAN JUAN		STATE: UTAH																														
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																																
TYPE OF SUBMISSION <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/11/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%;"> <tr> <td><input type="checkbox"/> ACIDIZE</td> <td><input type="checkbox"/> ALTER CASING</td> <td><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input checked="" type="checkbox"/> OTHER</td> <td>OTHER: <input type="text" value="Vent"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Vent"/>
<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR																														
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<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Vent"/>																														
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Requesting to continue venting the produced gas from the Tohonadla 1-E well due to lack of sales infrastructure. This oil well has been venting since first production. Venting is expected to continue until a Right of Way is approved and appropriate infrastructure is in place for gathering. *BLM approved sundry notice on 05/06/2014.																																
Accepted by the Utah Division of Oil, Gas and Mining Date: _____ By: <u>Derek Quist</u> April 14, 2015																																
Please Review Attached Conditions of Approval																																
NAME (PLEASE PRINT) Racheal Dahozy		PHONE NUMBER 928-871-4880																														
SIGNATURE N/A		TITLE Regulatory Analyst																														
DATE 1/16/2015																																



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43037500060000

In accordance with rule R649-3-20, 1800 mcf/month of gas is allowed to be flared from a producing oil well without approval. Flaring in excess of that amount requires Board of Oil, Gas and Mining approval. Current amount flared (produced minus used on sight) is at or below the allowable amount.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

MAR 14 2014

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.5. Lease Serial No.
14-20-603-2706. If Indian, Allottee or Tribe Name
NAVAJO**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
NNOGC EXPLORATION AND PRODUCTION, LLC3a. Address
P.O. BOX 4439
WINDOW ROCK, AZ 865113b. Phone No. (include area code)
928-871-4880

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.
VARIOUS9. API Well No.
VARIOUS10. Field and Pool or Exploratory Area
TOHONADLA

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SECTIONS 1 AND 2 TOWNSHIP 42 SOUTH, RANGE 21 EAST

11. Country or Parish, State
SAN JUAN COUNTY, UTAH

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

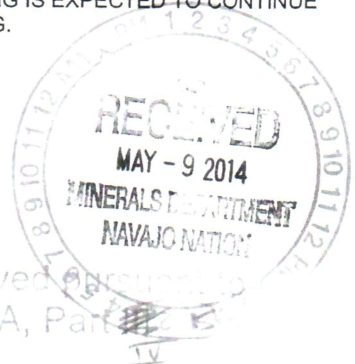
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other VENT
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

WE WOULD LIKE TO REQUEST TO CONTINUE VENTING THE PRODUCED GAS FROM THE TRACT 23 TANK BATTERY DUE TO LACK OF SALES INFRASTRUCTURE. THESE OIL WELLS HAVE BEEN VENTING SINCE FIRST PRODUCTION. VENTING IS EXPECTED TO CONTINUE UNTIL A RIGHT OF WAY IS APPROVED AND APPROPRIATE INFRASTRUCTURE IS IN PLACE FOR GATHERING.

THE WELLS CONNECTED TO THE TANK BATTERY ON THE 14-20-603-270 LEASE ARE:

TOHONADLA 23-1	43-037-15540	FIRST PRODUCTION 2/1958
TOHONADLA 1-E	43-037-50006	FIRST PRODUCTION 1/2011



14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

RICHARD A. FERRIS

Title CHIEF OPERATIONS ENGINEER

Signature

Richard A. Ferris

Date 03/11/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

[Signature]

Title

Det. Eng

Date

5/6/14

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

slp 5-13-14